

WP 2 Establishing NETCHEM platform

Task 2.1 Conceptual desing of SQL system based on EFSC data

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CONCEPTUAL DESIGN OF SQL BASED SYSTEM FOR EFSC DATA

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Type of deliverable: Report

Overview: objective of data base; basic characteristics; parameters that will be used; properties

A NETCHEM SQL based system is a fundamental component of the NETCHEM information academic oriented system. Thus, database design is part of system development.

Planning of SQL based system

Define objectives for the SQL based system:

- the major aims of the SQL based system
- the purpose of the SQL based system
- the supported tasks of the SQL based system
- the resources of the SQL based system

System Definition

In the system definition phase, the scope and boundaries of the SQL based system are described. This description includes:

- links with the other information systems
- what the planned system is going to do now and in the future
- who the users are now and in the future

Requirements Collection and Analysis

During the requirements collection and analysis phase, the collection and analysis of the information that will be served by the database are completed. The results will include:

- the description of the data used or generated
- the details how the data is to be used or generated
- any additional requirements for the new database system

Database Design

The database design phase is divided into three steps:

- conceptual database design
- logical database design

- physical database design

In the conceptual database design phase, the model of the data to be used independent of all physical considerations is to be constructed. The model is based on the requirements specification of the system.

In the logical database design phase, the model of the data to be used is based on a specific data model, but independent of a particular database management system is constructed. This is based on the target data model for the database e.g. relational data model.

In the physical database design phase, the description of the implementation of the database on secondary storage is created. The base relations, indexes, integrity constraints, security, etc. are defined using the SQL language.

Database Management System Selection

Database management system (DBMS) in the start phase is Access, while in the final phase is MySQL.

Application Design

In the application design phase, the design of the user interface and the application programs that use and process the database are defined and designed.

Prototyping

The purpose of a prototype is to allow the users to use the prototype to identify the features of the system using the computer.

There are horizontal and vertical prototypes. A horizontal prototype has many features (e.g. user interfaces) but they are not working. A vertical prototype has very few features but they are working. See the following picture.

Implementation

During the implementation phase, the physical realization of the database and application designs are to be done. This is the programming phase of the systems development.

Data Conversion and Loading

This phase is needed when a new database is replacing an old system. During this phase the existing data will be transferred into the new database.

Testing

Before the new system is going to live, it should be thoroughly tested. The goal of testing is to find errors! The goal is not to prove the software is working well.

Operational Maintenance

The operational maintenance is the process of monitoring and maintaining the database system. Monitoring means that the performance of the system is observed. If the performance of the system falls below an acceptable level, tuning or reorganization of the database may be required.

Maintaining and upgrading the database system means that, when new requirements arise, the new development lifecycle will be done.

Source: Connolly, Begg. 2005. Database Systems. A Practical Approach to Design, Implementation, and Management. Addison Wesley. Chapter 9. Database Planning, Design and Administration.

Who is Using the Database?

Users & Ease of Use

Who is the target end-user for queries and/or update transactions

User Interfaces

Graphical forms-based

SQL reports generated

menu-based

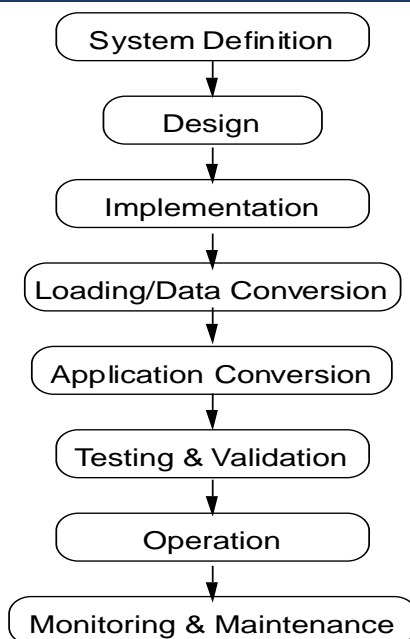
Task analysis

Work flows

Interfaces for:

- people
- software
- other databases
- hardware
- organisational processes

Database Application Life Cycle



Housekeeping

Backup & Archiving

- on-line or off-line backups
- size of backups
- incremental vs dump
- archiving strategy

Security

- passwords
- permissions
- views

Operational Considerations

Model choice

- hierarchical / network / relational / object-oriented /object-relational

Software/Hardware

- Which database management system ?
- Configuration: e.g Unix server and PC front-ends?

Choice of DBMS

Costs

1. Software acquisition cost
2. Maintenance cost
3. Hardware acquisition cost
4. Database creation & conversion cost
5. Personnel cost
6. Training cost
7. Operating costs

Data model depends on:

- The structure and use of the data
- Familiarity of the system
- Available vendor services
 - communication software
 - data entry software
 - design and monitoring tools etc

Storage: Size and Volatility of data

- number of records
- record size
- growth potential
- volatility (growth/shrinkage)
- temporary space requirements

NETCHEM Parameter Datasheet

ID Parameter	Parameter	Parameter Abbreviation	Parameter Unit	Description	Redosled	Operator	Last change
1	CAS Number	CAS			100	1	12.7.2013. 21.22.49
2	Molecular Weight	M.W.	g/mol		200	1	8.3.2013. 10.55.06
3	Molecular formula	mol. form.			300	1	11.9.2013. 10.37.40
4	Melting point	m.p.	°C		400	1	17.9.2013. 17.54.15
5	Boiling point	b.p.	°C		500	1	17.9.2013. 17.55.08
6	Density	dens.	g/mL		600	1	17.9.2013. 17.57.30
7	Purity	purity	%		700	1	19.9.2013. 17.49.30
8	Volume	vol.	mL		800	1	19.9.2013. 13.35.15
9	Length	len.	mm		900	1	19.9.2013. 13.35.40
10	Height	h.	mm		1000	1	14.11.2013. 22.14.00
11	Diameter	diam.	mm		1010	1	14.11.2013. 22.15.07
12	Time range, start date				1020	1	25.8.2015. 12.10.04
13	Time range, end date				1030	1	25.8.2015. 12.10.48
14	Width	width	mm		1040	1	28.8.2015. 12.00.11
15	Particle size, min		µm		1050	1	29.8.2015. 07.20.57
16	Particle size, max		µm		1060	1	29.8.2015. 07.21.43
17	Sorbent type (SPE)				1070	1	29.8.2015. 07.22.32
18	Bed weight (SPE)		mg		1080	1	29.8.2015. 07.23.12
19	Type SPE				1090	1	29.8.2015. 07.23.36
20	Polarity (SPE, GC/HPLC)				1200	1	29.8.2015. 08.49.23
21	Solubility in water		g/L		1300	1	28.10.2015. 18.46.03
22	Voltage		V		1400	1	4.3.2016. 14.45.50
23	Depth		mm		1500	1	29.4.2016. 13.30.49
24	pH				1600	1	4.8.2016. 23.06.28

ID Parameter	Parameter	Parameter Abbreviation	Parameter Unit	Description	Redosled	Operator	Last change
25	Ammonium		mg/L	concentration of ammonium ion (NH ₄ ⁺)	1700	1	4.8.2016. 23.07.20
26	Nitrite		mg/l	concentration of nitrite ion (NO ₂ ⁻)	1800	1	4.8.2016. 23.09.01
27	Nitrate		mg/L	concentration of nitrate ion (NO ₃ ⁻)	1900	1	4.8.2016. 23.09.49
28	Temperature		°C		2000	1	4.8.2016. 23.10.33

Items & Keyword Sort in NETCHEM Database

Item_Name	
Item Name	Keyword Sort
Murexide monohydrate	Murexidemonohydrate
Eriochrome Black T	EriochromeBlackT
Cupron	Cupron
Zirconium(IV)-oxychloride octahydrate	Zirconiumoxychlorideoctahydrate4
Thymol Blue	ThymolBlue
1,10-Phenanthroline monohydrate	Phenanthrolinemonohydrate110
Methylene Blue	MethyleneBlue
SPANDS	SPANDS
1,5-Diphenylcarbazide	Diphenylcarbazide15
Bromocresol Green	BromocresolGreen
Sodium-hexanitrocobaltate(III)	Sodiumhexanitrocobaltate3
Cobalt(II)-chloride hexahydrate	Cobaltchloridehexahydrate2
Potassium-periodate	Potassiumperiodate
Lanthanum-nitrate hexahydrate	Lanthanumnitratehexahydrate
Sodium-tungstate dihydrate	Sodiumtungstatedihydrate
Oxalic bis(cyclohexylidenehydrazide)	Oxalicbiscyclohexylidenehydrazide
Potassium-metaarsenite	Potassiummetaarsenite
Potassium-fluoride	Potassiumfluoride
Iron(III)-oxide	Ironoxide3
Mercury(II)-acetate monohydrate	Mercuryacetatemonohydrate2
Cadmium-acetate dihydrate	Cadmiumacetatedihydrate
Mercury(II)-sulfate	Mercurysulfate2
Potassium-nitrite	Potassiumnitrite
Iron, powder	Ironpowder
Calcium-carbonate	Calciumcarbonate
Sodium-chlorate	Sodiumchlorate
Barium-chloride dihydrate	Bariumchloridedihydrate
Zinc-nitrate hexahydrate	Zincnitratehexahydrate
Phosphorus-pentoxide	Phosphoruspentoxide
Thiosalicylic acid	Thiosalicylicacid
Iron(II)-sulfate heptahydrate	Ironsulfateheptahydrate2
Methyl Red	MethylRed
Sodium-oxalate	Sodiumoxalate
Tungsten(VI)-oxide	Tungstenoxide6
Dimethylglyoxime	Dimethylglyoxime
Bismuth(III)-chloride	Bismuthchloride3
4-Nitrophenol	Nitrophenol4
1,2-Naphthochinone-4-sulfonic acid, sodium salt	Naphthochinonesulfonicacidsodiumsalt124
Quinine dihydrobromide	Quininedihydrobromide
Stearic acid	Stearicacid
Picric acid	Picricacid

Item_Name	
Item Name	Keyword Sort
Phenolphthalein	Phenolphthalein
Ammonium persulfate	Ammoniumpersulfate
Iodoform	Iodoform
Potassium-iodide	Potassiumiodide
Potassium-phosphate, dibasic	Potassiumphosphatedibasic
Methylorange	Methylorange
Diphenylamine	Diphenylamine
Lead(II) acetate trihydrate	Leadacetatetrihydrate2
Starch, soluble	Starchsoluble
Potassium-hydrogen-phthalate	Potassiumhydrogenphthalate
Potassium-bromate	Potassiumbromate
4,5-Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt, dihydrate	Dihydroxynaphthalenedisulfonicaciddisodiumsaltdihydrate4527
Ammonium-chloride	Ammoniumchloride
Phenol	Phenol
Hydrazine-sulfate	Hydrazinesulfate
Hexamethylenetetramine	Hexamethylenetetramine
Palladium-chloride	Palladiumchloride
Mercury(II)-iodide	Mercuriodide2
Tartaric acid	Tartaricacid
Silver-carbonate	Silvercarbonate
Trichloroacetic acid	Trichloroaceticacid
1-Naphthylamine	Naphthylamine1
p-Toluidine	Toluidinep
Citric acid monohydrate	Citricacidmonohydrate
Lithium carbonate	Lithiumcarbonate
2-Nitrobenzaldehyde	Nitrobenzaldehyde2
Sulfanilic acid	Sulfanilicacid
4-(Dimethylamino)benzaldehyde	Dimethylaminobenzaldehyde4
Brucine dihydrate	Brucinedihydrate
Nickel(II)-nitrate hexahydrate	Nickelnitratehexahydrate2
Barium-hydroxide octahydrate	Bariumhydroxideoctahydrate
Sodium-arsenite	Sodiumarsenite
Copper(II)-chloride dihydrate	Copperchloridedihydrate2
Copper	Copper
Lithium-borohydride	Lithiumborohydride
Zinc	Zinc
Lead-dioxide	Leaddioxide
Ammonium-bicarbonate	Ammoniumbicarbonate
Platinum(IV)-chloride	Platinumchloride4
Silver-nitrate	Silvernitate
Citric acid, trisodium salt, dihydrate	Citricacidtrisodiumsaltdihydrate
Sodium-thiosulfate pentahydrate	Sodiumthiosulfatepentahydrate
Manganese-sulfate monohydrate	Manganesesulfatemonohydrate
Manganese-dioxide	Manganesedioxide
4-Chlorophenol	Chlorophenol4

Item_Name	
Item Name	Keyword Sort
Potassium-sulfate	Potassiumsulfate
Potassium-iodate	Potassiumiodate
Potassium-ferricyanide	Potassiumferricyanide
Pyrogallol	Pyrogallol
Ninhydrin	Ninhydrin
Agar	Agar
Ammonium-acetate	Ammoniumacetate
Potassium-aluminum-sulfate dodecahydrate	Potassiumaluminumsulfatedodecahydrate
Cadmium-carbonate	Cadmiumcarbonate
Potassium-sodium-tartrate tetrahydrate	Potassiumsodiumtartratetetrahydrate
Ammonium-molybdate tetrahydrate	Ammoniummolybdatetetrahydrate
Mercury(II)-chloride	Mercurychloride2
Nickel(II)-chloride hexahydrate	Nickelchloridehexahydrate2
Strontium-nitrate	Strontiumnitrate
Sodium-arsenate, dibasic, heptahydrate	Sodiumarsenatedibasicheptahydrate
Oxalic acid, dihydrate	Oxalicaciddihydrate
Potassium-chromate	Potassiumchromate
Fluorescein, disodium salt	Fluoresceindisodiumsalt
Aluminum-sulfate octadecahydrate	Aluminumsulfateoctadecahydrate
Thiourea	Thiourea
Benzoic acid	Benzoicacid
Aluminum-chloride	Aluminumchloride
Ammonium-thiocyanate	Ammonium-thiocyanate
Copper(II)-sulfate pentahydrate	Coppersulfatepentahydrate2
Calcium-chloride dihydrate	Calciumchloridedihydrate
Cadmium-chloride monohydrate	Cadmiumchloridemonohydrate
Ammonium nitrate	Ammoniumnitrate
Iodine, resublimed	Iodineresublimed
Ammonium-dichromate	Ammoniumdichromate
Sodium-phosphate, tribasic, dodecahydrate	Sodiumphosphatetribasicdodecahydrate
Resorcinol	Resorcinol
Tris(hydroxymethyl)aminomethane	Trishydroxymethylaminomethane
Urea	Urea
Ammonium-ferric-sulfate dodecahydrate	Ammoniumferricsulfatedodecahydrate
Potassium-dichromate	Potassiumdichromate
Manganese(II) chloride dihydrate	Manganesechloridedihydrate2
Calcium-sulfate dihydrate	Calciumsulfatedihydrate
Citric acid, tripotassium salt, monohydrate	Citricacidtripotassiumsaltmonohydrate
Sodium-disulfite	Sodiumdisulfite
Sodium-carbonate, anhydrous	Sodiumcarbonateanhydrous
2,4,6-Triamino-1,3,5-triazine	Triaminotriazine246135
Sodium-tetraborate decahydrate	Sodiumtetraboratedecahydrate
Furfural	Furfural
Acetylacetone	Acetylacetone
Bromobenzene	Bromobenzene
Bromine	Bromine

Item_Name	
Item Name	Keyword Sort
Gelatin	Gelatin
Sodium-nitrite	Sodiumnitrite
Potassium-bromide	Potassium-bromide
Tungstophosphoric acid, hydrate	Tungstophosphoricacidhydrate
EDTA, dipotassium-magnesium salt, dihydrate	EDTAdipotassiummagnesiumsaltdihydrate
Bismuth-subnitrate	Bismuthsubnitrate
Ammonium-phosphate, dibasic	Ammoniumphosphatedibasic
Dextran Dx – 100000 pulvis	DextranDx100000pulvis
Dithizone	Dithizone
Diethyldithiocarbamic acid, sodium salt, trihydrate	Diethyldithiocarbamicacidsodiumsaltrihydrate
Sulfur, powder	Sulfurpowder
Nitric acid, 65%	Nitricacid65
Acetic acid, glacial	Aceticacidglacial
Glycerol	Glycerol
Perchloric acid, 70%	Perchloricacid70
Chloroform	Chloroform
Isoamyl alcohol	Isoamylalcohol
Ethanol, 96%	Ethanol96
Methanol	Methanol
Xylene	Xylene
Formic acid	Formicacid
Glycine	Glycine
n-Butylacetate	Butylacetaten
Zinc-sulfate heptahydrate	Zinculfateheptahydrate
Sodium molybdate(VI) dihydrate	Sodiummolybdatedihydrate6
Sodium-sulfate, anhydrous	Sodiumsulfateanhydrous
Sodium-iodide	Sodiumiodide
Sodium-nitroferricyanide dihydrate	Sodiumnitroferricyanidedihydrate
Sodium-peroxide	Sodiumperoxide
Sodium-hydroxide	Sodiumhydroxide
Sodium-hydroxide, TITRIVAL® 1,000M	SodiumhydroxideTITRIVAL1000M
Sodium-hydroxide, tech.	Sodiumhydroxidetechn
Sodium-nitrate	Sodiumnitrate
Sulfuric acid, 96%	Sulfuricacid96
Sulfuric acid, tech. 38%	Sulfuricacidtech38
Tetrahydrofuran	Tetrahydrofuran
Eriochrome cyanine R	Eriochrome cyanine R
Activated carbon, powder	Activatedcarbonpowder
Phosphorus(III)-chloride	Phosphoruschloride3
Phosphorus-oxichloride	Phosphorusoxichloride
Hydrogen-peroxide, 36%	Hydrogenperoxide36
n-Heptane	Heptanen
tert-Butanol	Butanoltert
Phosphoric acid, 85%	Phosphoricacid85
Acetic anhydride	Aceticanhydride

Item_Name	
Item Name	Keyword Sort
Toluene	Toluene
Formaldehyde, 35%	Formaldehyde35
Ammonium-hydroxide, 25%	Ammonium-hydroxide25
Hydrochloric acid, 37%	Hydrochloricacid37
N,N-Dimethylformamide	DimethylformamideNN
o-Tolidine	Tolidineo
Cadmium-nitrate tetrahydrate	Cadmiumnitratetetrahydrate
Phthalic acid	Phthalicacid
Ethylacetate	Ethylacetate
Sodium-chloride	Sodiumchloride
Isopropanol	Isopropanol
Aluminum-nitrate nonahydrate	Aluminumnitratenonahydrate
Aluminum-oxide 90	Aluminumoxide90
Thionylchloride	Thionylchloride
Talc	Talc
Potassium-hydroxide	Potassiumhydroxide
Sodium-bicarbonate, tech.	Sodiumbicarbonatetech
Hydrochloric acid, tech. 20%	Hydrochloricacidtech20
Sodium-bromide, farm.	Sodiumbromidefarm
Sodium, stick	Sodium stick
Antimony(III) chloride	Antimonychloride3
Potassium-ferrocyanide trihydrate	Potassiumferrocyanidetrihydratetrihydrate
Oxalic acid, TITRIMOL® 0,05 M	OxalicacidTITRIMOL005M
Sodium-phosphate, dibasic, dihydrate	Sodiumphosphatedibasicdihydrate
Barbituric acid	Barbituricacid
Potassium-oxalate monohydrate	Potassiumoxalatemonohydrate
Magnesium sulfate heptahydrate	Magnesiumsulfateheptahydrate
Cresol Red	CresolRed
DPD	DPD
Magnesium, pro Grignard	MagnesiumproGrignard
Barium-acetate monohydrate	Bariumacetatemonohydrate
EDTA, disodium salt, dihydrate	EDTAdisodiumsaltdihydrate
Sodium-acetate	Sodiumacetate
Ammonium tartarate	Ammoniumtartarate
Lithium chloride	Lithiumchloride
Sodium-sulfite	Sodiumsulfite
Lead, granular	Leadgranular
Cadmium, granular	Cadmium granular
Silicon-dioxide	Silicondioxide
Amberlite resin IR-45 (OH)	AmberlitesinIR045OH
2-Pyridinecarboxylic acid	Pyridinecarboxylicacid2
4-Aminoantipyrine	Aminoantipyrine4
Ammonium-bromide	Ammoniumbromide
Magnesium nitrate hexahydrate	Magnesiumnitratehexahydrate
Potassium-chlorate	Potassiumchlorate
Zinc-chloride	Zincchloride

Item_Name	
Item Name	Keyword Sort
Chromium(VI)-oxide	Chromiumoxide6
Selenium, powder	Seleniumpowder
Bismuth	Bismuth
Ammonium-metavanadate	Ammoniummetavanadate
Naphthalene	Naphthalene
m-Nitroaniline	Nitroanilinem
Carminic acid	Carminicacid
Crystal Violet	CrystalViolet
Bromocresol Purple	BromocresolPurple
Indigo Carmine	IndigoCarmine
Bromothymol Blue	BromothymolBlue
Silver-sulfate	Silversulfate
Cerium(III)-nitrate hexahydrate	Ceriumnitratehexahydrate3
Bromophenol Blue	BromophenolBlue
Sodium-borohydride	Sodiumborohydride
Sodium-borohydride, tablets	Sodiumborohydridetablets
Cedar wood oil	Cedarwoodoil
Dulcitol	Dulcitol
Adonitol	Adonitol
Salicin	Salicin
Neutral Red	NeutralRed
Sodium-azide	Sodiumazide
Uranyl-acetate dihydrate	Uranylacetatedihydrate
Phenol Red	PhenolRed
Dimethoat-PESTANAL Analytical standard	Dimethoat-PESTANAL Analytical standard
Malathion PESTANAL Analytical standard	Malathion PESTANAL Analytical standard
Metalaxyl PESTANAL Analytical standard	Metalaxyl PESTANAL Analytical standard
Erlenmeyer 250 mL (wide neck)	Erlenmeyer 0250 mL (wide neck)
Flask, round bottom, 1000 ml	Flaskroundbottom1000ml
Flask, round bottom, 500 ml	Flaskroundbottom0500ml
Beaker 100 mL (tall form, borosilicate glass, with spout)	Beaker 0100 mL (tall form, borosilicate glass, with spout)
Measuring cylinder 100 mL (borosilicate glass, with spout)	Measuring cylinder 0100 mL (borosilicate glass, with spout)
pH/ISE meter (desktop) HACH ONE Laboratory	pH/ISE meter (desktop) HACH ONE Laboratory
Erlenmeyer 100 mL (narrow neck)	Erlenmeyer 0100 mL (narrow neck)
Helium 5.0	Helium 5.0
Computer 259 PC (Thermo LCQ Deca ESI MS, 2010)	Computer 0259 PC (Thermo LCQ Deca ESI MS, 2010)
HP Photosmart Plus B209a (MF InkJet Printer/Scanner)	HPPhotosmartPlusB209aMFInkJetPrinterScanner
Nitrogen	Nitrogen
Air	Air
Measuring flask 10 mL	Measuring flask 0010 mL
CANON Laser Printer i-Sensys LBP3010b (monochrome)	CANONLaserPrinteriSensysLBP3010bmonochrome
Flask, round bottom, 250 ml	Flaskroundbottom0250ml

Item_Name	
Item Name	Keyword Sort
Measuring cylinder 50 mL (borosilicate glass, with spout)	Measuring cylinder 0050 mL (borosilicate glass, with spout)
Measuring flask 25 mL	Measuring flask 0025 mL
CANON toner cartridge for Laser Printer i-Sensys LBP3010b (monochrome), No. 712	CANONtonercartridgeforLaserPrinteriSensysLBP3010b(monochrome)No712
Dimethyl phthalate	Dimethylphthalate
Di-n-butyl phthalate	dibutylphthalaten
Vial, 8 mL, 17×60 mm, screw, clear glass	Vial08mL17×60mmscrewclearglass
Pipette BRAND Transferpetta® 500-5000 µL (cat. 704182, digital, Adjustable Volume, Single Channel automatic Pipette)	Pipette BRAND Transferpetta® 00500-05000 µL (cat. 704182, digital, Adjustable Volume, Single Channel automatic Pipette)
Membersheep fee: Serbian Chemical Society (SCS), Belgrade	Membersheep fee: Serbian Chemical Society (SCS), Belgrade
Keyboard PC: GENIUS SlimStar 110, USB, YU + Mouse, Black	Keyboard PC
Measuring flask 50 mL	Measuring flask 0050 mL
Measuring flask 100 mL	Measuring flask 0100 mL
Dibutyl adipate	Dibutyladipate
Protective glasses – Sekuroka-panorama spectacles FlexSeal (Carl Roth)	Protective glasses – Sekuroka-panorama spectacles FlexSeal (Carl Roth)
Chromatography column, without frit	Chromatography column, without frit
Glass wool (CARL ROTH 7377.2) 500 g/pcg	Glass wool (CARL ROTH 7377.2) 500 g/pcg
Protective glasses – Isolab (80.40.007)	Protective glasses – Isolab (80.40.007)
Vial, 2 mL, screw, with caps and septa	Vial02 mL, screw, with caps and septa
Rack 5×10, for vials 2 mL/11 mm, plastic (AGILENT 9301-0722, 5/pk)	Rack 5×10, for vials 2 mL/11 mm, plastic (AGILENT 9301-0722, 5/pk)
Syringe 10 µL T/FN/PTFE type 23-26s/42/HP (AGILENT 5181-3361)	Syringe0010 µL T/FN/PTFE type 23-26s/42/HP (AGILENT 5181-3361)
Ferrule, graphite, for GC inlet, 0.4 mm ID (10 pcs./pack) [AGILENT 500-2114]	Ferrule, graphite, for GC inlet, 0.4 mm ID (10 pcs./pack) [AGILENT 500-2114]
Ferrule, 0.4 mm 200,250 µm (AGILENT 5062-3508) 10/pk.	Ferrule, 0.4 mm 200,250 µm (AGILENT 5062-3508) 10/pk.
Liner, splitless, single-taper, glass wool deactivated (AGILENT 5062-3587)	Liner, splitless, single-taper, glass wool deactivated (AGILENT 5062-3587)
O-Ring for Liner, non stick 10/pk.	O-Ring for Liner, non stick 10/pk.
Hexane, HPLC	HexaneHPLC
Paper, A4 (500/pk)	Paper, A4 (500/pk)
CD-R, 700 GB	CD-R, 700 GB
Toner HP 435A (LaserJet 1005/1006 printer)	Toner HP 435A (LaserJet 1005/1006 printer)
Toner HP Ink CN684EE BLACK	Toner HP Ink CN684EE BLACK
Toner HP Ink CB325EE YELLOW	Toner HP Ink CB325EE YELLOW
Toner HP Ink CB324EE MAGENTA	Toner HP Ink CB324EE MAGENTA
Toner HP Ink CB323EE CYAN	Toner HP Ink CB323EE CYAN
Cell, quartz, with PTFE, 10 mm (for UV/VIS) 100-QS HELLMA	Cell, quartz, with PTFE, 10 mm (for UV/VIS) 100-QS HELLMA
Bottle 250 mL, Rotilabo® – wide neck wash bottles, label: Dist. water (T406.1 CARL ROTH)	Bottle 250 mL, Rotilabo® – wide neck wash bottles, label: Dist. water (T406.1 CARL ROTH)
Bottle 250 mL, Rotilabo® – wide neck wash bottles, label: Acetone (T398.1 CARL ROTH)	Bottle 250 mL, Rotilabo® – wide neck wash bottles, label: Acetone (T398.1 CARL ROTH)

Item_Name	
Item Name	Keyword Sort
Bottle 250 mL, Rotilabo® – wide neck wash bottles, label: Methanol (T404.1 CARL ROTH)	Bottle 250 mL, Rotilabo® – wide neck wash bottles, label: Methanol (T404.1 CARL ROTH)
Centrifuge tube	Centrifuge tube
Measuring beaker, stainless steel (inox) 18/10, 50 mL (LT25.1 CARL ROTH)	Measuring beaker, stainless steel (inox) 18/10, 50 mL (LT25.1 CARL ROTH)
Funnel, stainless steel (inox) 100 mm, Rotilabo® (0164.1 CARL ROTH)	Funnel, stainless steel (inox) 100 mm, Rotilabo® (0164.1 CARL ROTH)
Pasteur pipette, 230 mm (4522.1 CARL ROTH)	Pasteur pipette, 230 mm (4522.1 CARL ROTH)
Chromatography column, with frit (Y673.1 CARL ROTH)	Chromatography column, with frit (Y673.1 CARL ROTH)
Bottle, aluminium, 1200 mL Rotilabo® (P795.1 CARL ROTH)	Bottle, aluminium, 1200 mL Rotilabo® (P795.1 CARL ROTH)
Methanol, HPLC	MethanolHPLC
Ethanol, anhydrous, HPLC	EthanolanhydrousHPLC
Ethylacetate, HPLC	EthylacetateHPLC
Eppendorf 1,5 mL PP	Eppendorf 1,5 mL PP (KARTELL)
Silica Gel, grade 60, 70-230 mesh, 60 angstrom	SilicaGel, grade 60, 70-230 mesh, 60 angstrom
Rack for eppendorfs, 100 places (KARTELL 563)	Rack for eppendorfs, 100 places (KARTELL 563)
Cap, PP, screw, 15 mm, closed, BUTYL/PTFE	Cap, PP, screw, 15 mm, closed, BUTYL/PTFE (100 pcs. La-Pha-Pack, Swiss 15151748)
HDD (Hard Disk Drive)	HDD (Hard Disk Drive)
SSD (Solid State Drive)	SSD (Solid State Drive)
HP Officejet Pro 8600 A4 MF Inkjet Printer/Scanner	HP Officejet Pro 8600 A4 MF Inkjet Printer/Scanner
Dichloromethane, HPLC	DichloromethaneHPLC
Bottle holder and PE Bottle 750 mL, BURKLE Art. No. 5354-4100 (Rotilabo® CARL ROTH N107.1)	Bottle holder and PE Bottle 750 mL, BURKLE Art. No. 5354-4100 (Rotilabo® CARL ROTH N107.1)
Telescopic rod for sampling 1,65 – 4,50 m BURKLE Art. No. 5355-0450 (Rotilabo® CARL ROTH T251.1)	Telescopic rod for sampling 1,65 – 4,50 m BURKLE Art. No. 5355-0450 (Rotilabo® CARL ROTH T251.1)
Syringe filter, PTFE membrane 0,45 µm d=25 mm, unsterile Rotilabo® 1/100pcs. (P816.1 CARL ROTH)	Syringe filter, PTFE membrane 0,45 µm d=25 mm, unsterile Rotilabo® 1/100pcs. (P816.1 CARL ROTH)
pH-meter (pocket) HANNA Piccolo Plus – acc. 0,01 pH; temp. compensation 1°C; replaceable electrode (E016.1 CARL ROTH – HANNA)	pH-meter (pocket) HANNA Piccolo Plus – acc. 0,01 pH; temp. compensation 1°C; replaceable electrode (E016.1 CARL ROTH – HANNA)
Vortex Genie 2® digital SCIENTIFIC IND.#SI-A256 230V (CARL ROTH HH64.1) Ser. no. A5-1847	Vortex Genie 2® digital SCIENTIFIC IND.#SI-A256 230V (CARL ROTH HH64.1) Ser. no. A5-1847
SPE Tube Adapter PP for 1, 3 & 6 mL Columns, Chromabond®, 1/4 pcs. (MACHERY-NAGEL REF 730243)	SPE Tube Adapter PP for 1, 3 & 6 mL Columns, Chromabond®, 1/4 pcs. (MACHERY-NAGEL REF 730243)
Column MACHERY-NAGEL Chromabond® XTR 30 mL Kieselguhr 4.5 g (REF 730505, 1/30 pcs.)	Column MACHERY-NAGEL Chromabond® XTR 30 mL Kieselguhr 4.5 g (REF 730505, 1/30 pcs.)
Column MACHERY-NAGEL Chromabond® XTR 70 mL Kieselguhr 14.5 g (REF 730505, 1/30 pcs.)	Column MACHERY-NAGEL Chromabond® XTR 70 mL Kieselguhr 14.5 g (REF 730505, 1/30 pcs.)

Item_Name	
Item Name	Keyword Sort
Data logger DOSTMANN LOG32TH, 2-channel humidity/temperature, Prod. No. 5005-0172	Data logger DOSTMANN LOG32TH, 2-channel humidity/temperature, Prod. No. 5005-0172
Thermometer, infrared DOTSMANN SCANTEMP 385, acc. 0,1°C –35 to +365°C (CARL ROTH LY46.1)	Thermometer, infrared DOTSMANN SCANTEMP 385, acc. 0,1°C –35 to +365°C (CARL ROTH LY46.1)
tert-Butyl methyl ether	butylmethylethertert
tert-Butyl methyl ether, HPLC	ButylmethylethertertHPLC
Acetonitrile, HPLC	AcetonitrileHPLC
Vial, 40 mL, 28x95 mm, screw, clear glass	Vial40 mL, 28x95 mm, screw, clear glass
(GENERAL ITEM)	(GENERAL ITEM)
Septa for Screw Caps ND9: AGILENT PTFE/red silicone d=8.7 mm (Cat. 5182-0731) 100/pk	Septa for Screw Caps ND9: AGILENT PTFE/red silicone d=8.7 mm (Cat. 5182-0731) 100/pk
Diethyl phthalate, standard for GC	Diethylphthalate, standard for GC
Rack 3x8, for vilas 40 mL, PP 24 places/30 mm (KARTELL 568)	Rack 3x8, for vilas 40 mL, PP 24 places/30 mm (KARTELL 568)
MRFA	MRFA
pH-Electrode HACH sensION+ LZW5010T.97.002	pH-Electrode HACH sensION+ LZW5010T.97.002
SERVICE Print: PRESENTATION POSTER	SERVICE Print: PRESENTATION POSTER
Airplane ticket	Airplane ticket
Hotel accommodation	Hotel accommodation
Traveling costs (travel order)	Traveling cost (travel order)
Traveling costs (other)	Traveling costs (other)
Battery for laptop LENOVO N500	Battery for laptop LENOVO N500
UV Reactor	UV Reactor
(VARIOUS): METAL – MATERIAL & SERVICE	(VARIOUS): METAL – MATERIAL & SERVICE
(VARIOUS): XXX- OTHER SERVICES & MAN CRAFTS	(VARIOUS): XXX- OTHER SERVICES & MAN CRAFTS
Laptop bag: Targus CNP1 16" black	Laptop bag: Targus CNP1 16" black
Registration fee	Registration fee
BRAND HandyStep® Electronic Pippette	BRAND HandyStep® Electronic Pippette
Monitor	Monitor
Loudspeakers for PC: Blueberry SW-P30 2.1 25W RMS, Peacock 20, Hickory	Loudspeakers 2.1
Computer 353 PC (THERMO ADVANTAGE ESI-MS)	Computer 353 PC (THERMO ADVANTAGE ESI-MS)
Insert, 250 µl pulled pntconical glass 100/pk (AGILENT 5183-2085)	Insert, 250 µl pulled pntconical glass 100/pk (AGILENT 5183-2085)
Balance: KERN technical balance 0,01 g / max 2000 g [model KB 2000-2N]	Balance: KERN technical balance 0,01 g / max 2000 g [model KB 2000-2N]
Tips for automatic pipette – special	Tips for automatic pipette – special
(VARIOUS): ELECTRIC MATERIAL AND WORKS	(VARIOUS): ELECTRIC MATERIAL AND WORKS
Tips for automatic pipette	Tips for automatic pipette
Acetone, HPLC	Acetone, HPLC
Gloves, LLG-Disposable gloves, Standard, Nitrile, size S, blue, fingers texturised, powder free, 240mm, pack of 100, (LLG Labware, cat. no. 9006375)	Gloves, LLG-Disposable gloves, Standard, Nitrile, size S, blue, fingers texturised, powder free, 240mm, pack of 100, (LLG Labware, cat. no. 9006375)
Magnetic stirring bar	Magnetic stirring bar

Item_Name	
Item Name	Keyword Sort
Cleaning brush	Cleaning brush
Test tube, 30×200 mm	Test tube, 30×200 mm
(VARIOUS): ### ALL NON-CLASSIFIED	(VARIOUS): ### ALL NON-CLASSIFIED
Timer, digital	Timer, digital
SERVICE Computer equipment	SERVICE Computer equipment
Toner refill, LASER	Toner refill, LASER
Computer components (various)	Computer components (various)
Battery Ni-MH for KERN balance KB 2000-2N; Rechargeable Accumulator 7.2 V 2000 mAh (prod. no. KB-A01N)	Battery Ni-MH for KERN balance KB 2000-2N; Rechargeable Accumulator 7.2 V 2000 mAh (prod. no. KB-A01N)
Metsulfuron-methyl	Metsulfuronmethyl
Tezis (Herbicide, Galenika)	Tezis (herbicide, Galenika)
AGILENT MSD 5973 (Mass Detector)	AGILENT MSD 5973 (Mass Detector)
Balb (fungicide, Galenika)	Balb (fungicide, Galenika)
Propamocarb hydrochloride	Propamocarbhydrochloride
Propamocarb	Propamocarb
Etiol liquid (insecticide, Galenika)	Etiol liquid (insecticide, Galenika)
Malathion	Malathion
Tonus (insecticide, Galenika)	Tonus (insecticide, Galenika)
Acetamiprid	Acetamiprid

NETCHEM Item Grouping

ID	Group	02.07.2017	No. of Items
1	(VARIOUS)		8
43	CHEMICALS, Chem. Lab. usage > Calibration standards		24
111	CHEMICALS, Chem. Lab. usage > Derivatization GC		2
49	CHEMICALS, Chem. Lab. usage > Gases		3
5	CHEMICALS, Chem. Lab. usage > Indicators		14
112	CHEMICALS, Chem. Lab. usage > Reagents (mixture)		3
22	CHEMICALS, Chem. Lab. usage > Reagents for analytical chemistry		28
6	CHEMICALS, Chem. Lab. usage > Solvents		12
130	CHEMICALS, Chem. Lab. usage > Sorbents		5
3	CHEMICALS, Chem. structure > Inorganic > (other)		3
11	CHEMICALS, Chem. structure > Inorganic > Ia group (Li, Na, K)		28
12	CHEMICALS, Chem. structure > Inorganic > Ib group (Cu, Ag, Au)		9
13	CHEMICALS, Chem. structure > Inorganic > IIa group (Mg, Ca, Sr, Ba)		14
14	CHEMICALS, Chem. structure > Inorganic > IIb group (Zn, Cd, Hg)		15
15	CHEMICALS, Chem. structure > Inorganic > IIIa group (B, Al, Ga, In, Tl)		9
16	CHEMICALS, Chem. structure > Inorganic > IIIb, IVb, Vb group (Ce, La, U, Ti, Zr, V)		5
161	CHEMICALS, Chem. structure > Inorganic > Ions		21
17	CHEMICALS, Chem. structure > Inorganic > IVa group (C, Si, Ge, Sn, Pb)		7
25	CHEMICALS, Chem. structure > Inorganic > Va, VIa group (N, P, As, Sb, Bi, S, Se)		36
26	CHEMICALS, Chem. structure > Inorganic > Vb, VIIb group (Cr, Mo, W, Mn)		13
27	CHEMICALS, Chem. structure > Inorganic > VIIa group (F, Cl, Br, I)		17
28	CHEMICALS, Chem. structure > Inorganic > VIII group (Fe, Co, Ni, Pd, Pt)		15
4	CHEMICALS, Chem. structure > Organic > (other)		105
8	CHEMICALS, Chem. structure > Organic > Alcohols, Phenols, Ethers		24

7	CHEMICALS, Chem. structure > Organic > Aldehydes and Ketons	7
9	CHEMICALS, Chem. structure > Organic > Amines, Nitro compounds	20
23	CHEMICALS, Chem. structure > Organic > Carbohydrates and derivatives	2
18	CHEMICALS, Chem. structure > Organic > Carboxylic acids and derivatives	46
20	CHEMICALS, Chem. structure > Organic > Organosulfur compounds	8
21	CHEMICALS, Chem. structure > Organic > Polymers, natural products etc.	8
24	CHEMICALS, Chem. structure > Organic > Ugljovodonici i halogenidi	16
51	CHEMICALS, Pesticides > Pesticide – Active components > Fungicide (active component)	37
39	CHEMICALS, Pesticides > Pesticide – Active components > Herbicide (active component)	16
54	CHEMICALS, Pesticides > Pesticide – Active components > Insecticide (active component)	27
38	CHEMICALS, Pesticides > Pesticide – Active components > Pesticide (active component)	80
156	CHEMICALS, Pesticides > Pesticide – Analytical standards	24
52	CHEMICALS, Pesticides > Pesticide – Commercial products > Fungicide commercial	38
41	CHEMICALS, Pesticides > Pesticide – Commercial products > Herbicide commercial	6
53	CHEMICALS, Pesticides > Pesticide – Commercial products > Insecticide commercial	27
107	CHEMICALS, Pesticides > Plant protection > Agrumi	1
82	CHEMICALS, Pesticides > Plant protection > Badem	3
145	CHEMICALS, Pesticides > Plant protection > Bob	1
68	CHEMICALS, Pesticides > Plant protection > Boranija	0
72	CHEMICALS, Pesticides > Plant protection > Breskva	16
109	CHEMICALS, Pesticides > Plant protection > Brokoli	1
102	CHEMICALS, Pesticides > Plant protection > Celer	0
147	CHEMICALS, Pesticides > Plant protection > Cvekla	1
89	CHEMICALS, Pesticides > Plant protection > Dinja	2
71	CHEMICALS, Pesticides > Plant protection > Dunja	2
64	CHEMICALS, Pesticides > Plant protection > Duvan	13
67	CHEMICALS, Pesticides > Plant protection > Grašak	6
88	CHEMICALS, Pesticides > Plant protection > Hmelj	1
69	CHEMICALS, Pesticides > Plant protection > Jabuka	39
78	CHEMICALS, Pesticides > Plant protection > Jagoda	6
87	CHEMICALS, Pesticides > Plant protection > Ječam	5
73	CHEMICALS, Pesticides > Plant protection > Kajsija	7
104	CHEMICALS, Pesticides > Plant protection > Karfiol	2
105	CHEMICALS, Pesticides > Plant protection > Keleraba	1
103	CHEMICALS, Pesticides > Plant protection > Kelj	2
85	CHEMICALS, Pesticides > Plant protection > Krastavac	12
58	CHEMICALS, Pesticides > Plant protection > Krompir	35
70	CHEMICALS, Pesticides > Plant protection > Kruška	16
60	CHEMICALS, Pesticides > Plant protection > Kukuruz	6
80	CHEMICALS, Pesticides > Plant protection > Kupina	2
57	CHEMICALS, Pesticides > Plant protection > Kupus	9
65	CHEMICALS, Pesticides > Plant protection > Kupus iz rasada	1
92	CHEMICALS, Pesticides > Plant protection > Lešnik	1
91	CHEMICALS, Pesticides > Plant protection > Lubenica	3
84	CHEMICALS, Pesticides > Plant protection > Lucerka	1
66	CHEMICALS, Pesticides > Plant protection > Luk	9
79	CHEMICALS, Pesticides > Plant protection > Malina	16
83	CHEMICALS, Pesticides > Plant protection > Maslina	5
90	CHEMICALS, Pesticides > Plant protection > Mrkva	3
81	CHEMICALS, Pesticides > Plant protection > Orah	1
55	CHEMICALS, Pesticides > Plant protection > Paprika	11
56	CHEMICALS, Pesticides > Plant protection > Paradajz	30

100	CHEMICALS, Pesticides > Plant protection > Pasulj	4
101	CHEMICALS, Pesticides > Plant protection > Plavi paradajz	2
108	CHEMICALS, Pesticides > Plant protection > Prokelj	1
63	CHEMICALS, Pesticides > Plant protection > Pšenica	9
146	CHEMICALS, Pesticides > Plant protection > Rotkvica	1
110	CHEMICALS, Pesticides > Plant protection > Salata	1
59	CHEMICALS, Pesticides > Plant protection > Šećerna repa	10
76	CHEMICALS, Pesticides > Plant protection > Šljiva	12
106	CHEMICALS, Pesticides > Plant protection > Smokva	1
62	CHEMICALS, Pesticides > Plant protection > Soja	3
77	CHEMICALS, Pesticides > Plant protection > Strna žita	6
61	CHEMICALS, Pesticides > Plant protection > Suncokret	4
93	CHEMICALS, Pesticides > Plant protection > Travnjak	1
74	CHEMICALS, Pesticides > Plant protection > Trešnja	8
99	CHEMICALS, Pesticides > Plant protection > Uljana repica	5
86	CHEMICALS, Pesticides > Plant protection > Vinova loza	32
75	CHEMICALS, Pesticides > Plant protection > Višnja	17
163	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Aliphatic nitrogen	2
164	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Amide > (other)	1
165	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Amide > Acylamino acid	1
166	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Amide > Anilide > (other)	3
167	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Amide > Anilide > Benzanilide	0
168	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Amide > Anilide > Furanilide	0
169	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Amide > Anilide > Sulfonanilide	0
170	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Amide > Benzamide	0
171	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Amide > Furamide	0
172	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Amide > Phenylsulfamide	0
173	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Amide > Picolinamide	0
174	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Amide > Pyrazolecarboxamide	0
175	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Amide > Sulfonamide	0
176	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Amide > Valinamide	0
177	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Antibiotic > (other)	0
178	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Antibiotic > Strobilurin > (other)	0
179	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Antibiotic > Strobilurin > Methoxyacrylate	1
180	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Antibiotic > Strobilurin > Methoxycarbanilate	1
182	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Antibiotic > Strobilurin > Methoxyiminoacetamide	0
181	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Antibiotic > Strobilurin > Methoxyiminoacetate	2
183	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Aromatic	1
184	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Arsenical	0
185	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Aryl-phenyl ketone	0
186	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Benzimidazole	0
187	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Benzimidazole precursor	1
188	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Benzothiazole	0
189	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Botanical	0
190	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Bridged diphenyl	0
191	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Carbamate > (other)	3
192	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Carbamate > Benzimidazolylcarbamate	0
193	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Carbamate > Carbanilate	1
194	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Conazole > (other)	0
195	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Conazole > Imidazoles	2
196	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Conazole > Triazoles	6
197	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Copper	0

198	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Cyanoacrylate	0
199	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Dicarboximide > (other)	1
200	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Dicarboximide > Dichlorophenyl	1
201	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Dicarboximide > Phthalimide	1
202	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Dinitrophenol	0
203	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Dithiocarbamate > (other)	1
204	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Dithiocarbamate > Cyclic	0
205	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Dithiocarbamate > Polymeric	4
206	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Dithiolane	0
207	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Fumigant	0
208	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Hidrazide	0
210	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Inorganic > (other)	0
213	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Inorganic > Copper	1
211	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Inorganic > Mercury > (other)	0
212	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Inorganic > Mercury > Organomercury	0
214	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Morpholine	0
215	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Organophosphorus	0
216	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Organotin	0
217	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Oxathiin	0
218	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Oxazole	1
219	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Polysulfide	0
220	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Pyrazole > (other)	0
221	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Pyrazole > Phenylpyrazole	1
222	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Pyrazole > Pyrazolecarboxamide	0
223	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Pyridine	1
224	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Pyrimidine > (other)	0
225	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Pyrimidine > Anilinopyrimidine	2
226	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Pyrrole	1
227	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Quaternary ammonium	0
228	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Quinoline	0
229	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Quinone	1
230	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Quinoxaline	0
231	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Tetrazole	0
232	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Thiadiazole	0
233	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Thiazole	0
234	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Thiazolidine	0
235	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Thiocarbamate	0
236	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Thiophene	0
237	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Triazine	0
239	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Triazolopyrimidine	0
242	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Unclassified	0
240	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Urea	0
241	CHEMICALS, Pesticides > STRUCTURE > Fungicides > Zinc	5
243	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Amide > (other)	1
244	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Amide > Anilide > (other)	0
245	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Amide > Anilide > Arylalanine	0
246	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Amide > Anilide > Chloroacetanilide	1
247	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Amide > Anilide > Sulfonanilide	0
248	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Amide > Sulfonamide	0
249	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Amide > Thioamide	0
250	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Aromatic acid > Benzoic acid > (other)	0
251	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Aromatic acid > Benzoic acid > Pyrimidinylxybenzoic acid	0

252	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Aromatic acid > Benzoic acid > Pyrimidinylthiobenzoic acid	0
253	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Aromatic acid > Phthalic acid	0
254	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Aromatic acid > Picolinic acid	0
255	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Aromatic acid > Quinolinecarboxylic acid	0
256	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Arsenical	0
258	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Benzofuranyl alkylsulfonate	0
259	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Benzothiazole	0
257	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Benzoylcyclohexanedione	0
260	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Carbamate > (other)	0
261	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Carbamate > Carbanilate	0
262	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Carbonate	0
263	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Cyclohexene oxime	1
264	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Cyclopropylisoxazole	0
265	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Dicarboximide	0
266	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Dinitroaniline	2
267	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Dinitrophenol	0
268	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Diphenyl ether > (other)	0
269	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Diphenyl ether > Nitrophenyl ether	0
270	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Dithiocarbamate	0
271	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Fumigant	0
272	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Halogenated aliphatic	0
273	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Imidazolinone	0
274	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Imide	0
275	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Inorganic	0
276	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Nitrile	0
277	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Organophosphorus	0
278	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Oxadiazolone	0
279	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Oxazole	0
280	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Phenoxy > (other)	0
281	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Phenoxy > Phenoxyacetic	0
282	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Phenoxy > Phenoxybutyric	0
283	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Phenoxy > Phenoxypropionic > (other)	0
284	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Phenoxy > Phenoxypropionic > Aryloxyphenoxypropionic	0
285	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Phenylenediamine	0
286	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Pyrazole > (other)	0
287	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Pyrazole > Benzoylpyrazole	0
288	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Pyrazole > Phenylpyrazole	0
289	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Pyridazine	0
290	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Pyridazinone	0
291	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Pyridine	0
292	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Pyrimidinediamine	0
293	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Pyrimidinylxybenzylamine	0
294	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Quaternary ammonium	0
295	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Thiocarbamate	0
296	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Thiocarbonate	0
297	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Thiourea	0
298	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Triazine > (other)	0
299	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Triazine > Chlorotriazine	1
300	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Triazine > Fluoroalkyltriazine	0
301	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Triazine > Methoxytriazine	0
302	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Triazine > Methylthiotriazine	1
303	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Triazinone	0
304	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Triazole	0

305	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Triazolone	0
306	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Triazolopyrimidine	0
314	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Unclassified	0
307	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Uracyl	0
308	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Urea > (other)	0
309	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Urea > Phenylurea	0
310	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Urea > Sulfonylurea > (other)	0
311	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Urea > Sulfonylurea > Pyrimidinylsulfonylurea	0
312	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Urea > Sulfonylurea > Triazinylsulfonylurea	0
313	CHEMICALS, Pesticides > STRUCTURE > Herbicides > Urea > Thiadiazolylurea	0
315	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Arsenical	0
316	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Botanical	0
317	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Carbamate > (other)	0
318	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Carbamate > Benzofuranyl methylcarbamate	0
319	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Carbamate > Dimethylcarbamate	1
320	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Carbamate > Oxime carbamate	2
321	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Carbamate > Phenyl methylcarbamate	0
322	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Diamide	0
323	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Dinitrophenol	0
324	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Fluorine	0
325	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Formamidine	0
326	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Fumigant	0
327	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Inorganic	0
328	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Insect growth regulators > Chitin synthesis inhibitors > (other)	1
329	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Insect growth regulators > Chitin synthesis inhibitors > Benzoylphenylurea c	0
330	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Insect growth regulators > Juvenile hormone mimics	1
331	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Insect growth regulators > Juvenile hormones	0
332	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Insect growth regulators > Moulting hormone agonists	0
333	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Insect growth regulators > Moulting hormones	0
334	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Insect growth regulators > Moulting inhibitors	0
335	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Insect growth regulators > Precocenes	0
336	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Insect growth regulators > Unclassified	0
337	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Isoxazoline	0
338	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Macrocyclic lactone > (other)	0
339	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Macrocyclic lactone > Avermectin	2
340	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Macrocyclic lactone > Milbemycin	0
341	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Macrocyclic lactone > Spinosyn	0
342	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Neonicotinoid > (other)	0
343	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Neonicotinoid > Nitroguanidine	2
344	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Neonicotinoid > Nitromethylene	0
345	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Neonicotinoid > Pyridylmethylamine	3
346	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Nereistoxin analogue	0
347	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organochlorine > (other)	1
348	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organochlorine > Cycloidiene	2
349	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > (other)	0
350	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organophosphate	0
351	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > (other)	0
352	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Aliphatic > (other)	1
353	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Aliphatic > Amide	1
354	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Aliphatic > Oxime	0
355	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Heterocyclic > (other)	0
356	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Heterocyclic > Benzothioipyan	0

357	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Heterocyclic > Benzotriazine	0
358	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Heterocyclic > Isoindole	0
359	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Heterocyclic > Isoxazole	0
360	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Heterocyclic > Pyrazolopyrimidine	0
361	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Heterocyclic > Pyridine	1
362	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Heterocyclic > Pyrimidine	0
363	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Heterocyclic > Quinoxaline	0
364	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Heterocyclic > Thiaziazole	0
365	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Heterocyclic > Triazole	0
366	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Organothiophosphate > Phenyl	0
367	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Phosphonate	0
368	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Phosphonothioate > (other)	0
369	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Phosphonothioate > Phenyl ethylphosphonothioate	0
370	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Phosphonothioate > Phenyl phenylphosphonothioate	0
371	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Phosphoramidate	0
372	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Phosphoramidothioate	0
373	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Organophosphorus > Phosphorodiamide	0
374	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Oxadiazine	0
375	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Oxadiazolone	0
376	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Phthalimide	0
377	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Physical > (other)	0
378	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Physical > Desiccant	0
379	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Pyrazole > (other)	0
380	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Pyrazole > Phenylpyrazole > (other)	0
381	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Pyrazole > Phenylpyrazole > IRAC MoA group 2B	0
382	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Pyrazole > Pyrazolecarboxamide	0
383	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Pyrazole > Pyridylpyrazole	0
384	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Pyrethroid > (other)	0
385	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Pyrethroid > Pyrethroid ester	3
386	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Pyrethroid > Pyrethroid ether	0
387	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Pyrethroid > Pyrethroid oxime	0
388	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Pyrimidinamine	0
389	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Pyrrole	0
390	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Quaternary ammonium	0
391	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Sulfoximine	0
392	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Tetramic acid	0
393	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Tetrionic acid	0
394	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Thiazole	1
395	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Thiazolidine	1
399	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Unclassified	0
396	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Urea > (other)	0
397	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Urea > Thiourea	0
398	CHEMICALS, Pesticides > STRUCTURE > Insecticides > Zwitterionic	0
152	CHEMICALS, Pharmaceuticals > Drugs > Antibiotics > Sulfonamide antibiotics	4
158	EQUIPMENT > Computers, IT > (other)	2
10	EQUIPMENT > Computers, IT > Computer components > (other)	1
140	EQUIPMENT > Computers, IT > Computer components > Cases (mini-, midi-tower, etc.)	0
40	EQUIPMENT > Computers, IT > Computer components > Controllers	0
2	EQUIPMENT > Computers, IT > Computer components > Coolers & equipment	0
119	EQUIPMENT > Computers, IT > Computer components > Graphic cards	0
47	EQUIPMENT > Computers, IT > Computer components > HDD (Hard Disk Drive)	1
137	EQUIPMENT > Computers, IT > Computer components > Memory DDR	1

118	EQUIPMENT > Computers, IT > Computer components > Monitors/Displays	1
122	EQUIPMENT > Computers, IT > Computer components > Motherboards	0
141	EQUIPMENT > Computers, IT > Computer components > Optical devices (CD, DVD)	0
162	EQUIPMENT > Computers, IT > Computer components > PCI Cards	2
139	EQUIPMENT > Computers, IT > Computer components > Power supplies	1
138	EQUIPMENT > Computers, IT > Computer components > Processors	0
159	EQUIPMENT > Computers, IT > Computer components > Sound cards & TV cards	0
116	EQUIPMENT > Computers, IT > Computer components > SSD (Solid State Drive)	1
136	EQUIPMENT > Computers, IT > Computer consumables > CD & DVD optical media	1
114	EQUIPMENT > Computers, IT > Computer consumables > Ink Jet toner (new, refill & ink)	14
115	EQUIPMENT > Computers, IT > Computer consumables > Laser printer Toner (new, refill & powder)	5
132	EQUIPMENT > Computers, IT > Computer consumables > Laser printer Toner powder	2
29	EQUIPMENT > Computers, IT > Computer PC, Laptops	17
113	EQUIPMENT > Computers, IT > Network equipment > Switches & Routers	2
117	EQUIPMENT > Computers, IT > Network equipment > UTP Cables (LAN)	1
120	EQUIPMENT > Computers, IT > Peripherals (Keyboard, Mouse, WEB cameras etc.)	8
31	EQUIPMENT > Computers, IT > Printers, Scanners, MFs	5
148	EQUIPMENT > Electrical (general) > Batteries (Ni-MH, Li-ion, non-rechargeable)	4
131	EQUIPMENT > Electrical (general) > Cables, extension leads, wires	2
97	EQUIPMENT > Furniture > Kasete, fijoke	0
94	EQUIPMENT > Furniture > Ormani	9
96	EQUIPMENT > Furniture > Police	0
150	EQUIPMENT > Furniture > Refrigerators, freezers	1
95	EQUIPMENT > Furniture > Stolice	0
33	EQUIPMENT > Furniture > Tables (stolovi)	2
34	EQUIPMENT > Office > Paper, Pencils etc.	1
30	EQUIPMENT > Tools	8
143	EQUIPMENT, LAB > Electronic instruments (GC, ESI, balances, pH, air cond...) > Big instruments	14
142	EQUIPMENT, LAB > Electronic instruments (GC, ESI, balances, pH, air cond...) > Small instruments	19
155	EQUIPMENT, LAB > GC/MS > GC Columns	16
135	EQUIPMENT, LAB > GC/MS > GC Septa	1
50	EQUIPMENT, LAB > GC/MS > Parts for AGILENT GC 6890	12
134	EQUIPMENT, LAB > GC/MS > Parts for AGILENT MSD 5973	6
160	EQUIPMENT, LAB > General laboratory equipment > Lab glass > (other)	9
19	EQUIPMENT, LAB > General laboratory equipment > Lab glass > Erlenmeyers, beakers, flasks	28
157	EQUIPMENT, LAB > General laboratory equipment > Lab glass > Measuring cylinders, pipetes, burettes etc.	13
48	EQUIPMENT, LAB > General laboratory equipment > Lab glass > Test tubes, glass bars, tubes, joints	2
154	EQUIPMENT, LAB > HPLC > HPLC Columns	6
121	EQUIPMENT, LAB > LAB consumables (other)	2
44	EQUIPMENT, LAB > LAB consumables PLASTIC > (other)	10
153	EQUIPMENT, LAB > LAB consumables PLASTIC > Boxes	11
123	EQUIPMENT, LAB > LAB consumables PLASTIC > Consumables > Automatic pipette Tips, Filters, Repair parts	0
149	EQUIPMENT, LAB > LAB consumables PLASTIC > Consumables > Protection (gloves, glasses)	5
45	EQUIPMENT, LAB > LAB consumables PLASTIC > Consumables > Septas (silicone, PTFE, rubber)	9
46	EQUIPMENT, LAB > Laboratory > Lab aid > Rack, automatic pipettes, spoons, magnets	23
98	EQUIPMENT, LAB > Laboratory > LAB consumables SPE > SPE cartridges (columns)	6
124	EQUIPMENT, LAB > Laboratory instruments > Laboratory instrument > Instrument (GC, HPLC, MS...)	0
125	EQUIPMENT, LAB > Laboratory instruments > Specific parts & consumables > AGILENT GC 6890	0
126	EQUIPMENT, LAB > Laboratory instruments > Specific parts & consumables > AGILENT MS Detector 5973	5
127	EQUIPMENT, LAB > Laboratory instruments > Specific parts & consumables > THERMO HPLC Surveyor	0
128	EQUIPMENT, LAB > Laboratory instruments > Specific parts & consumables > Thermo LCQ Deca	0
133	EQUIPMENT, LAB > Laboratory instruments > Vacuum pumps > Fittings and joints	2

144	EQUIPMENT, LAB > Parts for LCQ Deca > Syringes	0
129	EQUIPMENT, LAB > Specific parts & consumables > Thermo ADVANTAGE	0
151	EQUIPMENT, LAB > Vials, reag. bottles etc. accesorioies > Vials, reag. bottles etc. accesorioies	3
32	EQUIPMENT, LAB > Vials, Reagent bottles, storage vessels > Vials, Reagent bottles, storage vessels	23
42	FOOD > Milk > Milk	0
35	NON-MATERIAL > Membersheep fee, Registration, Travel	2
36	NON-MATERIAL > Service and training > Service and training	4
37	NON-MATERIAL > Travel costs > Travel costs	4

TOTAL number of Item – Group records: 1785

TOTAL number of Item Groups: 397