www.viams.net

BRANCHIA

Extraction and dispersive kits for QuEChERS method according to EN 15662

Extraction and dispersive kits for QuEChERS method (Quick, Easy, Cheap, Effective, Rugged and Safe) for sample preparation for analysis of multi-residual pesticides in fruits, vegetables and other foods.
The extraction kit (QECH-E10-050) includes 50 extraction pouches (4 g $MgSO_4$ + 1 g NaCl + 1 g tri-sodium citrate + 0.5 g Citrate di-sodium sesquihydrate) and 50 centrifuge tubes Premium Line of 50 ml.
Equivalent: Agilent 5982-5650
The dispersive kit for general fruits and vegetables (QECH-D22-050) includes 50 dispersive pouches (150 mg PSA + 900 mg $MgSO_4$) and 50 centrifuge tubes Premium Line of 15 ml. Equivalent: Agilent 5982-5056
The dispersive kit for fruits and vegetables with fats and waxes (QECH-D32-050) includes 50 dispersive pouches (150 mg PSA + 150 mg C18 + 900 mg $MgSO_4$) and 50 centrifuge tubes Premium Line of 15 ml.
Equivalent: Agilent 5982-5156
The dispersive kit for pigmented fruits and vegetables (QECH-D20-050) includes 50 dispersive pouches (150 mg PSA + 150 mg GCB + 900 mg $MgSO_4$) and 50 centrifuge tubes Premium Line of 15 ml.
Equivalent: Agilent 5982-5256
The dispersive kit for highly pigmented fruits and vegetables (QECH-D24-050) includes 50 dispersive pouches (150 mg PSA + 45 mg GCB + 900 mg $MgSO_4$) and 50 centrifuge tubes Premium Line of 15 ml.
Equivalent: Agilent 5982-5356

reference	description	pcs/pack	price/pack	Average price/pc
QECH-E10-050	extraction kit	50		
QECH-D22-050	dispersive kit for general fruits and vegetables	50		
QECH-D32-050	dispersive kit for fruits and vegetables with fats and waxes	50		
QECH-D20-050	dispersive kit for pigmented fruits and vegetables	50		
QECH-D24-050	dispersive kit for highly pigmented fruits and vegetables	50		
QECH-H15-025	ceramic homogenizer for 15 ml tubes	25		

BRANCHIA

SPE – Solid phase extraction cartridges

4 types of traditional SPE absorbents for most of commonly used applications in column of 3 or 6 ml and luer connection
C18: End-capped silica-based octadecyl. Suitable for non-polar compounds. Surface area 300 m^2/g, particle size 40-60 µm, pore size 120 Å
SILICA: Silica unbounded silica gel. Suitable for polar compounds. Surface area 480 m^2/g, particle size 40-75 µm, pore size 70 Å
FLORISIL: Florisil pesticide grade. Suitable for halogenated and polar compounds such as multiresidual pesticides. Particle size 150-250 µm
NH2: Silica-based aminopropyl. Suitable for moderately polar and acidic compounds. Surface area 200 m^2/g, particle size 40-75 µm, pore size 100 Å

reference	phase	quantity (mg)	volume (ml)	pcs/pack	price/pack	Average price/pc
SPHE-C35-050	C18	500	3	50		
SPHE-C65-030	C18	500	6	30		
SPHE-S35-050	SILICA	500	3	50		
SPHE-S61-030	SILICA	1000	6	30		
SPHE-F35-050	FLORISIL	500	3	50		
SPHE-F61-030	FLORISIL	1000	6	30		
SPHE-N35-050	NH2	500	3	50		
SPHE-N65-030	NH2	500	6	30		

BRANCHIA

Vacuum manifold for Solid Phase Extraction SPE

NEW

Compatible with SPHE and standard luer-end SPE cartridges. Made of transparent glass, high resistance to corrosion. Withstands more than 96 kPa (720 mm Hg) vacuum pressure with no deformation, long-term use. Individual valves allow vacuum control for each cartridge improving reproducibility. Joint highly resistant to corrosion and PTFE internal tube rack. Includes gauge, lid, collection rack, solvent guide needles and silicone tube

reference	type	pcs/pack	price/pack
MNFL-S12-001	12 positions, square	1	

Hydrophilic nylon Syringe Filters, nonsterile

BRANCHIA

Membrane made of hydrophilic Nylon 66. Suitable for sample preparation in HPLC applications, ideal for routine analysis. Housing: Polypropylene (PP), blue color. Designed with connectors: FLL/MSL

reference	$Ø_{outer}$ (mm)	pore (µm)	pcs/pack	price/pack	Average price/pc
SFNY-122-100	13	0,22	100		
SFNY-145-100	13	0,45	100		
SFNY-222-100	25	0,22	100		
SFNY-245-100	25	0,45	100		
"Saving package"					
SFNY-122-1K0	13	0,22	10 x 100		
SFNY-145-1K0	13	0,45	10 x 100		
SFNY-222-1K0	25	0,22	10 x 100		
SFNY-245-1K0	25	0,45	10 x 100		

Hydrophobic PTFE Syringe Filters, nonsterile

BRANCHIA

Suitable for sample preparation in HPLC application. Membrane made of hydrophobic Polytetrafluoroethylene (PTFE), resistant to almost all aggressive organic solvents, acids and bases. High thermal resistance. Housing: Polypropylene (PP), fuchsia color. Designed with connectors: FLL/MSL

reference	$Ø_{outer}$ (mm)	pore (µm)	pcs/pack	price/pack	Average price/pc
SFPT-122-100	13	0,22	100		
SFPT-145-100	13	0,45	100		
SFPT-222-100	25	0,22	100		
SFPT-245-100	25	0,45	100		

Hydrophilic PVDF Syringe Filters, nonsterile

BRANCHIA

Suitable for sample preparation in HPLC application and ideal in sterilization and clarification of biological solutions. Membrane made of hydrophilic Polyvinylidene fluoride (PVDF), low protein binding membrane for filtration of non aggressive aqueous solutions and slightly organic solutions. Housing: Polypropylene (PP), yellow color. Designed with connectors: FLL/MSL

reference	$Ø_{outer}$ (mm)	pore (µm)	pcs/pack	price/pack	Average price/pc
SFPV-122-100	13	0,22	100		
SFPV-145-100	13	0,45	100		
SFPV-222-100	25	0,22	100		
SFPV-245-100	25	0,45	100		

Hydrophilic MCE Syringe Filters, nonsterile

BRANCHIA

Suitable for clarification or sterilization of most typical aqueous samples. It is ideal for biological samples or culture media filtration. Membrane made of hydrophilic M.E. Cellulose (MCE), very uniform porosity and high protein adsorption. Housing: Polypropylene (PP), green color. Designed with connectors: FLL/MSL

reference	$Ø_{outer}$ (mm)	pore (µm)	pcs/pack	price/pack	Average price/pc
SFMC-122-100	13	0,22	100		
SFMC-145-100	13	0,45	100		
SFMC-222-100	25	0,22	100		
SFMC-245-100	25	0,45	100		

BRANCHIA

Hydrophilic CA Syringe Filters

Ideal for aqueous based samples and suitable for all those applications in which the maximum recovery of proteins is required. Membrane made of Cellulose Acetate (CA) inherently hydrophilic. Low protein binding. High mechanical strength. Housing: Polypropylene (PP), fuchsia color. Designed with connectors: FLL/MSL. Sterile reference is individually packed and sterilized by Gamma Radiation. Sterilization certificate included (to be downloaded free of charge at www.labbox.com)

reference	$Ø_{outer}$ (mm)	pore (µm)	type	pcs/pack	price/pack	Average price/pc
SFCA-122-100	13	0,22	non sterile	100		
SFCA-145-100	13	0,45	non sterile	100		
SFCA-222-100	25	0,22	non sterile	100		
SFCA-245-100	25	0,45	non sterile	100		
SFCA-12E-100	13	0,22	sterile	100		
SFCA-14E-100	13	0,45	sterile	100		
SFCA-22E-050	25	0,22	sterile	50		
SFCA-24E-050	25	0,45	sterile	50		

BRANCHIA

Hydrophilic PES Syringe Filters

Very suitable for culture media assays. Membrane made of Polyethersulfone (PES), inherently hydrophilic. Fast filtration speed. Membrane mechanically very strong and resistant to an extensive range of aqueous solvents. Low protein binding. Housing: Polypropylene (PP), light green. Designed with connectors: FLL/MSL. Sterile reference is individually packed and sterilized by Gamma Radiation. Sterilization certificate included (to be downloaded free of charge at www.labbox.com)

reference	$Ø_{outer}$ (mm)	pore (µm)	type	pcs/pack	price/pack	Average price/pc
SFPE-122-100	13	0,22	non sterile	100		
SFPE-145-100	13	0,45	non sterile	100		
SFPE-222-100	25	0,22	non sterile	100		
SFPE-245-100	25	0,45	non sterile	100		
SFPE-12E-100	13	0,22	sterile	100		
SFPE-14E-100	13	0,45	sterile	100		
SFPE-22E-050	25	0,22	sterile	50		
SFPE-24E-050	25	0,45	sterile	50		

Hand crimper and decapper

To crimp and to de-crimp vials with aluminum caps

reference	type	pcs/pack	price/pack
Crimpers (A)			
VCRI-C11-001	for Ø11 mm caps	1	
VCRI-C20-001	for Ø20 mm caps	1	
Decappers (B)			
VCRI-D11-001	for Ø11 mm caps	1	
VCRI-D20-001	for Ø20 mm caps	1	
Plier type decappers (C)			
VCRI-P11-001	for Ø11 mm caps	1	
VCRI-P20-001	for Ø20 mm caps	1	

METRIA

Crimp vial for chromatography, 12x32 mm, 2 ml

Borosilicate glass Kimble 5.1. Wide mouth (internal diameter 6,2 mm) for an optimal injection. Use aluminium crimp caps 11 mm

reference	Ø (mm)	h (mm)	type	pcs/pack	price/pack	Average price/pc
CV01-C20-100	11,6	32	clear	100		
CV01-A20-100	11,6	32	amber	100		
CVP1-C02-100	11,6	32	clear with write-on patch	100		

Aluminum crimp cap with septa silicon/FEP

METRIA

For vials with beaded rim and cap size 11 mm. FEP (Fluorinated ethylene propylene) is a fluoropolymer of the same family than PTFE and with similar chemical resistance

reference	type	pcs/pack	price/pack	Average price/pc
CC01-S02-100	red silicone/FEP septa	100		

Saving package: Kit of 1000 crimp vials and 1000 crimp cap

METRIA

We supply 10 cartons of 100 crimp vials and 10 bags of 100 crimp cap with septa silicon/FPE

reference	description	pcs/pack	price/pack	Average price/pc
CVCC-C2S-1K0	1000 vials CV01-C20 + 1000 crimp caps CC01-S02	1000		
CVCC-A2S-1K0	1000 vials CV01-A20 + 1000 crimp caps CC01-S02	1000		
CVPC-CS2-1K0	1000 vials CVP1-C02 + 1000 crimp caps CC01-S02	1000		

Screw vial for chromatography, 12 x 32 mm, 2 ml, screw cap

METRIA

Borosilicate glass Kimble 5.1. Wide mouth (internal diameter 6,2 mm) for an optimal injection. Use screw caps 9-425

reference	Ø (mm)	h (mm)	type	pcs/pack	price/pack	Average price/pc
SV02-C20-100	11,6	32	clear	100		
SV02-A20-100	11,6	32	amber	100		
SVP2-C02-100	11,6	32	clear with write-on patch	100		
SVP2-A02-100	11,6	32	amber with write-on patch	100		

Screw cap with septa silicon/PTFE

METRIA

Caps made of polypropylene suitable for screw caps 9-425. In “Pre-slit” reference, septa is prepierced for an optimal injection

reference	type	pcs/pack	price/pack	Average price/pc
SC02-W02-100	silicone/PTFE septa	100		
SC02-P02-100	pre-slit silicone/PTFE septa	100		

Saving package: Kit of 1000 screw vials and 1000 screw cap with septa

METRIA

We supply 10 cartons of 100 screw vials and 10 bags of 100 screw cap with septa

reference	description	pcs/pack	price/pack	Average price/pc
With silicon/PTFE septa				
SVSC-C20-1K0	1000 vials SV02-C20 + 1000 caps SC02-W02	1000		
SVSC-A20-1K0	1000 vials SV02-A20 + 1000 caps SC02-W02	1000		
SVPC-C20-1K0	1000 vials SVP2-C02 + 1000 caps SC02-W02	1000		
SVPC-A20-1K0	1000 vials SVP2-A02 + 1000 caps SC02-W02	1000		
With silicon/PTFE "pre-slit" septa				
SVSC-C2P-1K0	1000 vials SV02-C20 + 1000 caps SC02-P02	1000		
SVSC-A2P-1K0	1000 vials SV02-A20 + 1000 caps SC02-P02	1000		
SVPC-CP2-1K0	1000 vials SVP2-C02 + 1000 caps SC02-P02	1000		
SVPC-AP2-1K0	1000 vials SVP2-A02 + 1000 caps SC02-P02	1000		

METRIA

Snap-top vial for chromatography, 2 ml

NEW

Borosilicate glass USP type I, wide mouth and flat base. Designed to be used with plastic snap top caps. These caps eliminate the need for crimping. They simply snap over the top of the vial, sealing the contents safe inside

reference	type	pcs/pack	price/pack	Average price/pc
STV2-C20-100	clear	100		
STV2-A20-100	amber	100		
STP2-C20-100	clear with write-on patch	100		
STP2-A20-100	amber with write-on patch	100		

METRIA

Snap cap for *snap-top* vials with PTFE/Silicone septum

NEW

Snap cap with red PTFE (11mm)/White Silicone (1mm) (0,04") septum

reference	type	pcs/pack	price/pack	Average price/pc
STC2-P20-100	septa white silicon / red PTFE	100		
STC2-W20-100	septa pre-slit white silicon / red PTFE	100		

METRIA

Insert for 2 ml chromatography vials

NEW

Clear glass, flat-base, conical base or conical base with polyspring. For use with 2 mL screw top vials

reference	Ø x h (mm)	type	pcs/pack	price/pack	Average price/pc
SVI2-FBA-100	6 x 31	flat base	100		
SVI2-CBA-100	6 x 31	conical base	100		
SVI2-CBP-100	6 x 29	conical base with Polyspring	100		

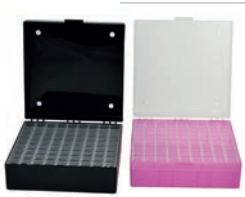
astiK's

Plastic vial freezer box

Made of polypropylene. Autoclavable and suitable for freezing. Natural colour

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
FBXP-081-001	51	128	128	up to 81 vials 2 ml (Ømax. 12 mm)	1	
FBXP-100-001	53	140	140	up to 100 vials 2 ml (Ømax. 12 mm)	1	

astiK's



Plastic vial freezer box with hinged lid

Made of polypropylene. Autoclavable and suitable for freezing (withstand temperatures from -130 °C up to +130 °C)

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
FBXP-K01-001	62	140	140	clear/magenta, for 81 vials (Ømax. 12 mm)	1	
FBXP-K02-001	62	140	140	black/black, for 81 vials (Ømax. 12 mm)	1	

astiK's

Stainless steel vial rack

For chromatography vials 12 x 32 mm

reference	h (mm)	l (mm)	w (mm)	type	pcs/pack	price/pack
TTSS-R24-001	25	86	64	for 6 x 4 chromatography vials	1	
TTSS-R50-001	25	150	80	for 10 x 5 chromatography vials	1	

Chromatography screw top vials, 4mL, 15 x 45 mm

METRIA

Borosilicate glass USP type I. Wide mouth, flat base and 13-425 screw thread

reference	Ø (mm)	h (mm)	type	pcs/pack	price/pack	Average price/pc
SV04-C40-100	15	45	clear	100		
SV04-A40-100	15	45	amber	100		
SVP4-C40-100	15	45	clear with write-on patch	100		
SVP4-A40-100	15	45	amber with write-on patch	100		

Open top screw cap with 13-425 thread, PTFE/Silicone septum

METRIA

Black polypropylene (PP) cap, 13-425 thread, with 13 mm thick red PTFE/White Silicone, 1,5mm (0,06") thick septum. For use with 4mL vial

reference	type	pcs/pack	price/pack	Average price/pc
SC04-R40-100	septa white silicon / red PTFE	100		

Headspace crimp vial, 20 mm

METRIA

Borosilicate clear glass USP type I, beveled edge

reference	Ø x h (mm)	vol. (ml)	type	pcs/pack	price/pack	Average price/pc
CHVF-C10-100	22,5 x 46	10	flat bottom	100		
CHVR-C10-100	22,5 x 46	10	flat-rounded bottom	100		
CHVF-C20-100	22,5 x 46	20	flat bottom	100		
CHVR-C20-100	22,5 x 46	20	flat-rounded bottom	100		

Aluminium crimp cap, Ø20 mm, with septum

METRIA

Open top with a 10mm hole and 3 mm (0,125") thick septum

reference	type	pcs/pack	price/pack	Average price/pc
CHCA-S20-100	septa white silicon / natural PTFE	100		
CHCA-B20-100	moulded septa butyl / natural PTFE	100		

Shell vial, 1 ml

METRIA

Flat base, clear glass with plug

reference	Ø x h (mm)	vol. (ml)	pcs/pack	price/pack	Average price/pc
SHV1-C40-200	8 x 40	1	200		

Glass Chromatography Columns

Top quality 3.3 borosilicate glass, chemical resistant, to be used with SGEC-200-500 or SGEC-060-500 in chromatographic applications. 2 types: (**A**)With PTFE needle valve stopcock: PTFE Roteflo stopcock for fine control of eluent flow, sintered disc, socket for reservoirs and porosity 0. (**B**) With PTFE key stopcock: Sinthered frit disc, PTFE stopcock (bore: 0-2,5mm) and socket.

reference	Ø x h (mm)	vol. (ml)	socket size (female)	type	pcs/pack	price/pack
GLAC-N02-001	10 x 200	-	14/23	A	1	
GLAC-N03-001	10 x 300	-	14/23	A	1	
GLAC-N05-001	20 x 200	-	19/26	A	1	
GLAC-N07-001	20 x 400	-	19/26	A	1	
GLAC-N11-001	30 x 400	-	29/32	A	1	
GLAC-N12-001	30 x 500	-	29/32	A	1	
GLAC-K01-001	10 x 100	8	14/23	B	1	
GLAC-K02-001	10 x 200	15	14/23	B	1	
GLAC-K03-001	15 x 200	35	14/23	B	1	
GLAC-K04-001	10 x 300	23	14/23	B	1	
GLAC-K05-001	20 x 400	125	29/32	B	1	
GLAC-K07-001	30 x 600	430	29/32	B	1	

labkem

Silica Gel for Column Chromatography

High purity silica gel with a structure of pores of the highest quality, its appearance is a white granulate of homogeneous size. It is used as a carrier material for chromatography, but also for the separation and purification of medicine compounds as well as in the refining of oleic, petroleum products and aromatic hydrocarbons

reference	particle size	pore	package	price/pack
SGEC-200-500	0,063-0,200 mm	60 Å	P 500 g	
SGEC-060-500	0,040-0,063 mm	60 Å	P 500 g	

METRIA

Thin layer chromatography plates (TLC)

Silica gel plates backed with aluminium or glass for TLC in different sizes. Silica gel: particle size 5-17 µm, pore size 60 Å, specific pore volume 0,75 ml/g, specific surface area 500 m^2/g.
Aluminium backed plates: Coating thickness 0,15-0,20 mm, Sodium organic acid as a binder.
Glass backed plates: Coating thickness 0,20-0,25mm, Acrylics and/or customized agents as binder

reference	dimensions (mm)	type	pcs/pack	price/pack	Average price/pc
TLCP-AI0-250	25 x 75	backed in aluminium with F254	250		
TLCP-AI1-080	50 x 100	backed in aluminium with F254	80		
TLCP-AI2-020	100 x 200	backed in aluminium with F254	20		
TLCP-AI3-020	200 x 200	backed in aluminium with F254	20		
TLCP-AN3-020	200 x 200	backed in aluminium without F254	20		
TLCP-GI1-160	50 x 100	backed in glass with F254	160		
TLCP-GI2-040	100 x 200	backed in glass with F254	40		
TLCP-GI3-020	200 x 200	backed in glass with F254	20		
TLCP-GN3-020	200 x 200	backed in glass without F254	20		

LBG

Squared glass chamber

In soda-lime glass, includes lid. Suitable for TLC and other purposes

reference	dimensions (length x width x height)	pcs/pack	price/pack
SGCH-S01-001	215 x 100 x 140 mm	1	
SGCH-S02-001	220 x 140 x 140 mm	1	
SGCH-S03-001	225 x 225 x 125 mm	1	

Solvents for chromatography

Acetone

labkem

CAS: 67-64-1 MW: 58,08 EC: 200-662-2 TARIC code: 29141100 Restriction: Drugs Precursors Cat. 3

ADR: 3 F1 II UN 1090 IMDG: 3 II UN 1090 IATA: 3 II UN 1090

CH_3COCH_3

Acetone HPLC GGR

ACS Spec. passes test
UV spectrophotometry:
UV-Abs. max. lim. (330 nm) < 1.00
UV-Abs. max. lim. (340 nm) < 0.06
UV-Abs. max. lim. (350 nm) < 0.01
UV Cutoff < 330nm
Assay > 99.7%
Colour (Hazen) < 10
Water (KF) < 0.25%
Res. on evap. < 0.0001%
Titr. acid < 0.0003mEq/g
Titr. base < 0.0006mEq/g
Solub. in H_2O passes test
Subst. red. $KMnO_4$ passes test
Aldehydes < 0.002%
Methanol < 0.05%
2-Propanol < 0.05%

reference	packaging		price
ACET-0GH-2K5	G GL45	2,5 L	
ACET-0GH-P04	G GL45	4x2,5 L	

Acetone Pesticide Grade PGR

Assay > 99.5%
Water (KF) < 0.5%
Colour (Hazen) < 10
Non-Vol. Mat. < 0.0005%

reference	packaging		price
ACET-0GC-2K5	G GL45	2,5 L	
ACET-0GC-P04	G GL45	4x2,5 L	

Acetonitrile

labkem

CAS: 75-05-8 MW: 41,05 EC: 200-835-2 TARIC code: 29269095

ADR: 3 F1 II UN 1648 IMDG: 3 II UN 1648 IATA: 3 II UN 1648

CH_3CN

Acetonitrile GC / HPLC GGR

ACS Spec. passes test
UV spectrophotometry:
UV-Abs. max. lim. (190 nm) < 1.00
UV-Abs. max. lim. (195 nm) < 0.15
UV-Abs. max. lim. (200 nm) < 0.05
UV-Abs. max. lim. (205 nm) < 0.04
UV-Abs. max. lim. (210 nm) < 0.02
UV-Abs. max. lim. (220 nm) < 0.01
UV-Abs. max. lim. (254 nm) < 0.009
UV Cutoff < 190nm
LC Gradient Suitability
Gradient Elution test passes test
Assay > 99.9%
Colour (Hazen) < 10
H_2O (by KF) < 0.01%
Res. on evap. < 0.0001%
Titr. acid < 0.008mEq/g
Titr. base < 0.0006mEq/g

reference	packaging		price
ACTN-0GH-2K5	G GL45	2,5 L	
ACTN-0GH-P04	G GL45	4x2,5 L	

Acetonitrile LC/MS LGR

Assay > 99.9%
Water (KF) < 0.01%
Colour (Hazen) < 10
Alkal. (Ammonia) < 0.0006%
Acid. (Acetic acid) < 0.008%
Res. on evap. < 0.0001%
Ni < 0.000002%
Ba < 0.00001%
Fe < 0.00001%
Al < 0.00005%
Ca < 0.00001%
Cr < 0.000002%
Cu < 0.000002%
Mn < 0.000002%
Co < 0.000002%
Mg < 0.0001%
Na < 0.00001%
K < 0.00001%
Pb < 0.00001%
Cd < 0.000005%
Ag < 0.00001%
Sn < 0.00001%
Zn < 0.00001%
Grad. elut. H. Peak (210 nm) < 0.0005AU
Grad. elut. H. Peak (254 nm) < 0.0002AU
T195nm > 78%
T200nm > 90%
T220nm > 98%
T240nm > 99%
LC Gradient Suitability Passes test

reference	packaging		price
ACTN-LCM-2K5	G GL45	2,5 L	
ACTN-LCM-P04	G GL45	4x2,5 L	

1-Butanol

labkem

CAS: 71-36-3 MW: 74,12 EC: 200-751-6 TARIC code: 29051300

ADR: 3 F1 III UN 1120 IMDG: 3 III UN 1120 IATA: 3 III UN 1120

$CH_3(CH_2)_3OH$

1-Butanol HPLC GGR

Assay > 99.8%
Water (KF) < 0.03%
Acidity < 0.0005meq/g
Res. on evap. < 0.0005%
UV-Tr. (1cm;Wat.) 230 nm > 65%
UV-Tr. (1cm;Wat.) 240 nm > 80%
UV-Tr. (1cm;Wat.) 250 nm > 90%
UV-Tr. (1cm;Wat.) 260 nm > 95%
UV-Tr. (1cm;Wat.) 310 nm > 99%
Fluorescence (as quinine):
F (quin.) 254 nm < 0.0000002%
F (quin.) 365 nm < 0.0000002%

reference	packaging		price
BUTL-1GH-2K5	G GL45	2,5 L	

Cyclohexane

labkem

CAS: 110-82-7 MW: 84.16 EC: 203-806-2 TARIC code: 29021100 Restriction: Hydrocarbon

ADR: 3 II UN 1145 IMDG: 3 II UN 1145 IATA: 3 II UN 1145

C_6H_{12}

Cyclohexane HPLC GGR

Assay > 99.5%
Water (KF) > 0.01%
Acidity > 0.0005meq/g
Res. on evap. > 0.0005%
UV-Tr. (1cm;Wat.) 210 nm < 60%
UV-Tr. (1cm;Wat.) 220 nm < 80%
UV-Tr. (1cm;Wat.) 230 nm < 95%
UV-Tr. (1cm;Wat.) 240 nm < 98%
UV-Tr. (1cm;Wat.) 250 nm < 99%
F254 nm (Quinine) > 0.0000001%
F365 nm (Quinine) > 0.0000001%

reference	packaging		price
CYHX-00H-2K5	GL45	2,5 L	
CYHX-00H-P04	GL45	4x2,5 L	

Dichloromethane

labkem

CAS: 75-09-2 MW: 84,93 EC: 200-838-9 TARIC code: 29031200

ADR: 6.1 III UN 1593 IMDG: 6.1 III UN 1593 IATA: 6.1 III UN 1593

CH_2Cl_2

Dichloromethane (stabilized with amylene) HPLC GGR

Assay > 99.8%
Water (KF) < 0.01%
Acidity < 0.0005meq/g
Alkalinity < 0.0005%
Non-Vol. Mat. < 0.0005%
Stabilizer (amylene) 0.005%
Res. on ignition < 0.0002%
UV-Tr. (1cm;Wat.) 235 nm > 40%
UV-Tr. (1cm;Wat.) 240 nm > 75%
UV-Tr. (1cm;Wat.) 250 nm > 98%
UV-Tr. (1cm;Wat.) 260 nm > 99%

reference	packaging		price
DCHM-0GH-2K5	GL45	2,5 L	
DCHM-0GH-P04	GL45	4x2,5 L	

Dichloromethane (stabilized with amylene) Pesticide Grade PGR

Assay > 99.8%
Water (KF) < 0.05%
Stabilizer (amylen) 50ppm
Acidity < 0.0005meq/g
Non-Vol. Mat. < 0.0005%

reference	packaging		price
DCHM-0GC-2K5	GL45	2,5 L	
DCHM-0GC-P04	GL45	4x2,5 L	

Dimethyl sulfoxide

labkem

CAS: 67-68-5 MW: 78,13 EC: 200-664-3 TARIC code: 29309099

$(CH_3)_2SO$

Dimethyl sulfoxide HPLC GGR

Assay > 99.5%
Water (KF) < 0.05%
Colour (Hazen) < 10
Acidity < 0.001meq/g
Res. on evap. < 0.0005%
UV-Tr. (1cm;Wat.) 280 nm > 60%
UV-Tr. (1cm;Wat.) 300 nm > 75%
UV-Tr. (1cm;Wat.) 320 nm > 90%
UV-Tr. (1cm;Wat.) 330 nm > 95%
UV-Tr. (1cm;Wat.) 360 nm > 98%

reference	packaging		price
DMSO-0GH-2K5	GL45	2,5 L	
DMSO-0GH-P04	GL45	4x2,5 L	

Ethyl acetate

labkem

CAS: 141-78-6 MW: 88,1 EC: 205-500-4 TARIC code: 29153100

ADR: 3 F1 II UN 1173 IMDG: 3 II UN 1173 IATA: 3 II UN 1173

$CH_3COOC_2H_5$

Ethyl acetate HPLC GGR

Assay > 99.8%
Water (KF) < 0.02%
Acidity < 0.0005meq/q
Non-Vol. Mat. < 0.0005meq/g
UV-Tr. (1cm;Wat.) 260 nm > 70%
UV-Tr. (1cm;Wat.) 270 nm > 90%
UV-Tr. (1cm;Wat.) 280 nm > 95%
UV-Tr. (1cm;Wat.) 300 nm > 99%

reference	packaging		price
ETAC-0GH-2K5	GL45	2,5 L	
ETAC-0GH-P04	GL45	4x2,5 L	

Heptane

labkem

CAS: 142-82-5 MW: 100,21 EC: 921-510-4 TARIC code: 29011000 Restriction: Hydrocarbon

ADR: 3 II UN 1206 IMDG: 3 II UN 1206 IATA: 3 II UN 1206

C_7H_{16}

n-Heptane 95% Pesticide Grade PGR

Assay > 95.0%
Water (KF) < 0.02%
Colour (Hazen) < 10
Res. on evap. < 0.0005%

reference	packaging		price
HPTN-5GC-2K5	GL45	2,5 L	
HPTN-5GC-P04	GL45	4x2,5 L	

n-Heptane 99% HPLC GGR

Assay > 99.0%
Water (KF) < 0.02%
Colour (Hazen) < 10
Res. on evap. < 0.0005%
UV-Tr. (1cm;Wat.) 210 nm > 40%
UV-Tr. (1cm;Wat.) 220 nm > 80%
UV-Tr. (1cm;Wat.) 230 nm > 93%
UV-Tr. (1cm;Wat.) 240 nm > 97%
UV-Tr. (1cm;Wat.) 250 nm > 98%

reference	packaging		price
HPTN-9GH-2K5	GL45	2,5 L	
HPTN-9GH-P04	GL45	4x2,5 L	

Hexane

labkem

CAS: 110-54-3 MW: 86,18 EC: 925-292-5 TARIC code: 29011000 Restriction: Hydrocarbon

ADR: 3 F1 II UN 1208 IMDG: 3 II UN 1208 IATA: 3 II UN 1208

C_6H_{14}

n-Hexane 95% HPLC GGR			reference	packaging		price
Assay > 95.0% Water (KF) < 0.01% Colour (Hazen) < 10 Acidity < 0.0005meq/g	Res. on evap. < 0.0005% UV-Tr. (1cm;Wat.) 200 nm > 30% UV-Tr. (1cm;Wat.) 210 nm > 60% UV-Tr. (1cm;Wat.) 220 nm > 85%	UV-Tr. (1cm;Wat.) 230 nm > 94% UV-Tr. (1cm;Wat.) 240 nm > 97%	HXAN-5GH-2K5	GL45	2,5 L	
			HXAN-5GH-P04	GL45	4x2,5 L	
n-Hexane 95% Pesticide Grade PGR			reference	packaging		price
Assay > 95% Water (KF) < 0.02% Colour (Hazen) < 10	Acidity < 0.0005meq/g Res. on evap. < 0.0005%		HXAN-5GC-2K5	GL45	2,5 L	
			HXAN-5GC-P04	GL45	4x2,5 L	

Hexane, Isomer mix

labkem

MW: 86,18 EC: 925-292-5 TARIC code: 29011000 Restriction: Hydrocarbon

ADR: 3 II UN 1208 IMDG: 3 II UN 1208 IATA: 3 II UN 1208

C_6H_{14}

n-Hexane (isomers) HPLC GGR			reference	packaging		price
Assay (Isomer mix) > 99% C_6H14 Isomer Mix > 99% Water (KF) < 0.01% Acidity < 0.0005meq/g	Res. on evap. < 0.0005% UV-Tr. (1cm;Wat.) 210 nm > 60% UV-Tr. (1cm;Wat.) 220 nm > 80% UV-Tr. (1cm;Wat.) 230 nm > 95%	UV-Tr. (1cm;Wat.) 240 nm > 98% UV-Tr. (1cm;Wat.) 250 nm > 99%	HXAN-IGH-2K5	GL45	2,5 L	
			HXAN-IGH-P04	GL45	4x2,5 L	

Isooctane

labkem

CAS: 540-84-1 MW: 114,23 EC: 208-759-1 TARIC code: 29011000 Restriction: Hydrocarbon

ADR: 3 II UN 1262 IMDG: 3 II UN 1262 IATA: 3 II UN 1262

C_8H_{18}

Isooctane HPLC GGR			reference	packaging		price
ACS Spec. passes test UV spectrophotometry: UV-Abs. max. lim. (205 nm) < 1.00 UV-Abs. max. lim. (225 nm) < 0.10	UV-Abs. max. lim. (254 nm) < 0.014 UV Cutoff < 205nm Assay (C_8H18) > 99.0% Colour (Hazen) < 10	Water (KF) < 0.02% Res. on evap. < 0.0004% Wat. sol. titr. acid < 0.0003mEq/g S comp. < 0.005%	ISCT-0GH-2K5	GL45	2,5 L	
			ISCT-0GH-P04	GL45	4x2,5 L	
Isooctane Pesticide Grade PGR			reference	packaging		price
Assay (C_8H18) > 99% Water (KF) < 0.02%	Colour (Hazen) < 10 Acidity < 0.0005meq/g	Res. on evap. < 0.0005%	ISCT-0GC-2K5	GL45	2,5 L	
			ISCT-0GC-P04	GL45	4x2,5 L	

Methanol

labkem

CAS: 67-56-1 MW: 32,04 EC: 200-659-6 TARIC code: 29051100

ADR: 3(6.1) FT1 II UN 1230 IMDG: 3(6.1) II UN 1230 IATA: 3(6.1) II UN 1230

CH_3OH

Methanol GC / HPLC GGR

			reference	packaging		price
ACS Spec. passes test UV spectrophotometry: UV-Abs. max. lim. (205 nm) < 1.00 UV-abs. max. lim. (220 nm) < 0.25 UV-Abs. max. lim. (230 nm) < 0.15 UV-Abs. max. lim. (254 nm) < 0.02 UV-Abs. max. lim. (280 nm) < 0.01	UV Cutoff < 205nm LC Gradient Suitability Gradient Elution test passes test Assay > 99.9% Colour (Hazen) < 10 H_2O (by KF) < 0.05% Res. on evap. < 0.0003%	Titr. acid < 0.0003mEq/g Titr. base < 0.0002mEq/g Carbonyl comp. < 0.001% Subs. dark. by H_2SO_4 passes test Subst. red. $KMnO_4$ passes test Solub. in H_2O passes test	MTOL-0GH-2K5	GL45	2,5 L	
			MTOL-0GH-P04	GL45	4x2,5 L	

Methanol LC/MS LGR

			reference	packaging		price
Assay > 99.9% App. Clear colourless liquid H_2O (by KF) < 0.05% Colour (Hazen) < 10 Acid. (Acetic acid) < 0.0003% Alkal. (Ammonia) < 0.0002% Res. on evap. < 0.001% Grad. elut. H. Peak (254 nm) < 0.002AU T220nm > 60%	T235nm > 85% T260nm > 98% LC Gradient Suitability Passes test Ni < 0.000002% Ba < 0.00001% Fe < 0.00001% Al < 0.00005% Ca < 0.00001% Cr < 0.000002% Cu < 0.000001%	Mn < 0.000001% Co < 0.000002% Mg < 0.00001% Na < 0.00001% K < 0.00001% Pb < 0.000002% Cd < 0.000005% Ag < 0.00001% Sn < 0.00001% Zn < 0.00001%	MTOL-LCM-2K5	GL45	2,5 L	
			MTOL-LCM-P04	GL45	4x2,5 L	

Petroleum ether 40-60

labkem

CAS: 64742-49-0 EC: 265-151-9 TARIC code: 27101225 Restriction: Hydrocarbon

ADR: 3 II UN 1268 IMDG: 3 II UN 1268 IATA: 3 II UN 1268

Petroleum ether 40-60 HPLC GGR

			reference	packaging		price
Water < 0.01% Acidity < 0.0005meq/q Res. on evap. < 0.0005%	UV-Tr. (1cm;Wat.) 210 nm > 60% UV-Tr. (1cm;Wat.) 220 nm > 80% UV-Tr. (1cm;Wat.) 230 nm > 90%	UV-Tr. (1cm;Wat.) 240 nm > 98% UV-Tr. (1cm;Wat.) 250 nm > 99%	PEET-4GH-2K5	GL45	2,5 L	
			PEET-4GH-P04	GL45	4x2,5 L	

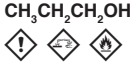
1-Propanol

labkem

CAS: 71-23-8 MW: 60,1 EC: 200-746-9 TARIC code: 29051200

ADR: 3 F1 II UN 1274 IMDG: 3 II UN 1274 IATA: 3 II UN 1274

$CH_3CH_2CH_2OH$



1-Propanol HPLC GGR

		reference	packaging		price
Assay > 99.5% Water (KF) < 0.05% Acidity < 0.0005meq/g Res. on evap. < 0.0005%	UV-Tr. (1cm;Wat.) 250 nm > 90% UV-Tr. (1cm;Wat.) 290 nm > 98% UV-Tr. (1cm;Wat.) 300 nm > 99%	PROL-1GH-2K5	GL45	2,5 L	
		PROL-1GH-P04	GL45	4x2,5 L	

2-Propanol

labkem

CAS: 67-63-0 MW: 60,1 EC: 200-661-7 TARIC code: 29051200

ADR: 3 F1 II UN 1219 IMDG: 3 II UN 1219 IATA: 3 II UN 1219

$CH_3CH(OH)CH_3$

2-Propanol HPLC GGR

Assay > 99.8%
Water (KF) < 0.1%
Colour (Hazen) < 10
Acidity < 0.0005meq/g
Res. on evap. < 0.0005%
UV-Tr. (1cm;Wat.) 210 nm > 40%
UV-Tr. (1cm;Wat.) 220 nm > 56%
UV-Tr. (1cm;Wat.) 230 nm > 75%
UV-Tr. (1cm;Wat.) 240 nm > 91%
UV-Tr. (1cm;Wat.) 250 nm > 96%

reference	packaging		price
PROL-2GH-2K5	GL45	2,5 L	
PROL-2GH-P04	GL45	4x2,5 L	

2-Propanol LC/MS LGR

Assay > 99.9%
Filtered through 0.2 µm
App. Clear colourless liquid
H_2O (by KF) < 0.05%
Colour (Hazen) < 5
Acid. (Acetic acid) < 0.002%
Alkal. (Ammonia) < 0.002%
Res. on evap. < 0.0005%
Grad. elut. H. Peak (210 nm) < 0.002AU
Grad. elut. H. Peak (254 nm) < 0.002AU
T210nm > 40%
T220nm > 80%
T230nm > 90%
T250nm > 98%
Ca < 0.00001%
Mg < 0.00001%
Na < 0.00001%
K < 0.00001%

reference	packaging		price
PROL-LCM-2K5	GL45	2,5 L	
PROL-LCM-P04	GL45	4x2,5 L	

Tetrahydrofuran

labkem

CAS: 109-99-9 MW: 72,11 EC: 203-726-8 TARIC code: 29321100

ADR: 3 F1 II UN 2056 IMDG: 3 II UN 2056 IATA: 3 II UN 2056

C_4H_8O

Tetrahydrofuran HPLC GGR

Assay > 99.8%
Water (KF) < 0.02%
Acidity < 0.0005meq/g
Res. on evap. < 0.0005%
UV-Tr. (1cm;Wat.) 240 nm > 70%
UV-Tr. (1cm;Wat.) 250 nm > 80%
UV-Tr. (1cm;Wat.) 260 nm > 90%
UV-Tr. (1cm;Wat.) 270 nm > 98%
UV-Tr. (1cm;Wat.) 280 nm > 99%

reference	packaging		price
TETR-0GH-2K5	GL45	2,5 L	
TETR-0GH-P04	GL45	4x2,5 L	

Toluene

labkem

CAS: 108-88-3 MW: 92,14 EC: 203-625-9 TARIC code: 29023000 Restriction: Hydrocarbon

ADR: 3 F1 II UN 1294 IMDG: 3 II UN 1294 IATA: 3 II UN 1294

$C_6H_5CH_3$

Toluene HPLC GGR

Assay > 99.8%
Water (KF) < 0.02%
S compounds < 0.003%
Acidity < 0.0005meq/g
Res. on evap. < 0.0005%
UV-Tr. (1cm;Wat.) 290 nm > 50%
UV-Tr. (1cm;Wat.) 300 nm > 80%
UV-Tr. (1cm;Wat.) 310 nm > 90%
UV-Tr. (1cm;Wat.) 330 nm > 97%
UV-Tr. (1cm;Wat.) 350 nm > 98%

reference	packaging		price
TOLN-0GH-2K5	GL45	2,5 L	
TOLN-0GH-P04	GL45	4x2,5 L	

Water

labkem

CAS: 7732-18-5 MW: 18,02 EC: 231-791-2 TARIC code: 28530010

H_2O

Water GC / HPLC GGR

ACS Spec. passes test
UV spectrophotometry:
UV-Abs. max. lim. (190 nm) < 0.01
UV-Abs. max. lim. (200 nm) < 0.01
UV-Abs. max. lim. (250-400 nm) < 0.005
UV Cutoff < 190nm
LC Grad. Suit.
Grad. Elut. test passes test
Colour (Hazen) < 5
Res. on evap. < 0.001%

reference	packaging		price
WATR-00H-2K5	GL45	2,5 L	
WATR-00H-P04	GL45	4x2,5 L	

Water LC/MS LGR

App. Clear colourless liquid
Reserpine < 0.000005%
Colour (Hazen) < 10
Res. on evap. < 0.001%
LC Grad. Suit. Passes test
T190nm > 97%
T200nm > 98%
T(250nm - 400nm) > 99%
Fe < 0.000005%
Al < 0.000005%
Ca < 0.000005%
Mg < 0.000005%
Na < 0.000005%
K < 0.000005%

reference	packaging		price
WATR-LCM-2K5	GL45	2,5 L	
WATR-LCM-P04	GL45	4x2,5 L	