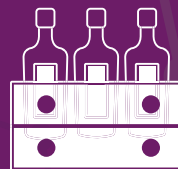
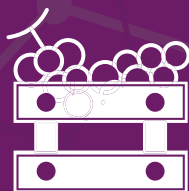




material didático
e de laboratório, lda

MDL ENOLOGIA

CATÁLOGO GERAL



OENOLOGY 2022

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Desde/Since 1999



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www.mdl.pt

SUPER DEE distiller



According to OIV ; Regulation EEC26/76/90 and 2870/2000

Determination of alcoholic strength, volatile acidity and distillate in wines, musts and spirits.

Code	ZKH507	ZKH508*
Power	220 VAC – 15A max	
Dimensions	290x300x1200 mm	
Functional requirement for cooling water:		
T. max	20°C	
Press min	1,5 bar	
Flow min	5 liters/min	

* Without vapor generator



Running times :

- Distillation of wine: 100 mL in 3-4 min
200 mL in 6-7 min.
- Volatile acidity: 250 mL in 6-7 min.
- Distillation of spirits: 4-8 min.

Includes :

- 3 flasks of 100 mL
- 1 flask of 250 mL
- 2 conical flasks of 300 mL
- 1 washing bottle of 500 mL
- 1 dropping bottle of 100 mL
- 3 plastic Pasteur pipettes
- Chemical products
- 1 replacement cartridge for water demineralization



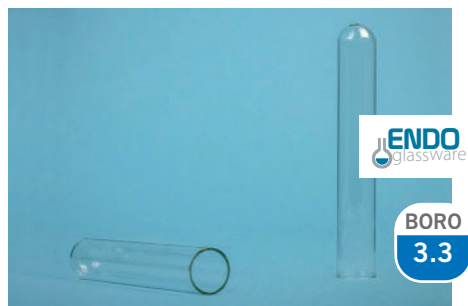
Test tubes, soda glass



- 1 | Rimless and with round bottom. Supplied in boxes of 250 units.

Code	dxl	Cap.
BGB001	10x75 mm	3 mL

Test tubes, borosilicate glass



- 1 | Rimless and with round bottom.

Code	dxl	Lot
BGB066	16X160 mm	250
BGB067	18X180 mm	100

Test tubes with rim



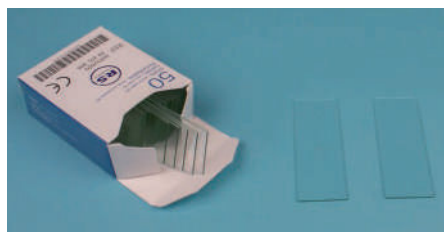
Code	dxl	Lot
BGB078	16X160 mm	100
BGB079	18X180 mm	100

Red rubber stopper



Code	Diameter bottom/top	Lot
BMD117	9.5-12 mm	100
BMD118	11-14.50 mm	100
BMD119	13-16 mm	100
BMD120	14-17.5 mm	100

Microscope slides RS FRANCE



- 1 | Ground edges by water. 50 units by box.
2 | Dimensions: 76x26 mm.

Code	Bords	Coins
BPB017	Rodés	90°

Aseptic Petri dish



- 1 | Made of polystyrene. Edge of lip beveled to facilitate the sliding of the bottom. With vents.

Code	Diameter	Pack
BRB040	90 mm	500 pcs

Grey rubber stopper, DIN 12871



- 1 | Made of natural grey rubber.
2 | Very elastic rubber, provides good tightness.
3 | Temperature range -25°C and +70°C.

Code	Type	Diameter bottom/top	Lot
BMD033	N°13D	8/12 mm	50
BMD034	N°15D	10.5/14.5 mm	50
BMD035	N°16D	12.5/16.5 mm	25
BMD036	N°18D	14/18 mm	250

Bucket with graduated PE spout



- 1 | Made of polyethylene. With spout and graduated.

Code	Cap.	Height
BTB028	12 L	280 mm
BTB030	9 L	250 mm

Tray flat without lid HDPE



Code	Cap.	Dimensions
BTL020	2 L	300x65x205 mm
BTL021	3 L	350x73x235 mm
BTL022	5 L	435x75x285 mm
BTL023	8 L	490x80x335 mm

Beaker low form



Code	Cap.	Lot
CBC016	50 mL	12
CBC017	100 mL	12
CBC018	150 mL	12
CBC019	250 mL	8
CBC020	400 mL	8
CBC021	600 mL	8
CBC022	800 mL	6
CBC023	1000 mL	6
CBC024	2000 mL	2



Beaker PP low form



- 1 | Made of polypropylene. With spout.
- 2 | Permanently moulded graduations.

Code	Cap.	Graduation	Lot
CBH001	50mL	10 mL	10
CBH002	100 mL	20 mL	10
CBH003	250 mL	50 mL	10
CBH004	500 mL	100 mL	10
CBH005	1000 mL	100 mL	6

Beaker PP low form



- 1 | Made of polypropylene. With spout.
- 2 | Permanently moulded graduations.

Code	Cap.	Graduation	Lot
CBH001	50mL	10 mL	10
CBH002	100 mL	20 mL	10
CBH003	250 mL	50 mL	10
CBH004	500 mL	100 mL	10
CBH005	1000 mL	100 mL	6

Graduated jug short form PP



- 1 | Polypropylene. Moulded graduation.

Code	Cap.	Graduation	Lot
CCB006	500 mL	10/1	10
CCB007	1000 mL	50/1	6
CCB008	2000 mL	20/1	6
CCB009	3000 mL	100/1	6
CCB010	5000 mL	250/1	4

Stackable jug, tall shape, PP



- 1 | Embossed graduation.

Code	Cap.	Lot
CCB021	250 mL	6
CCB022	500 mL	6
CCB023	1000mL	6
CCB024	2000 mL	6

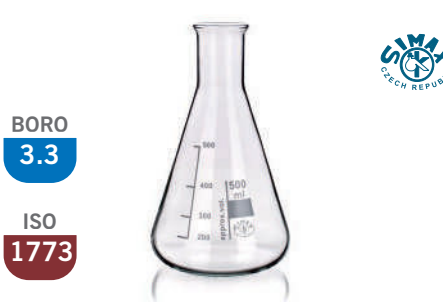
Graduated pitcher, PP, raised scale



- 1 | Excellent chemical resistance and very high thermal stability (-200°C to +260°C).

Code	Cap.	Lot
CCB504	500 mL	12
CCB505	1000 mL	6
CCB506	2000 mL	6
CCB507	3000 mL	6
CCB508	5000 mL	6

Flask Erlenmeyer Simax narrow neck



- 1 | Made of borosilicate glass. Narrow neck and graduated.

Code	Cap.	Lot
CDB003	100 mL	10
CDB005	250 mL	10
CDB007	500 mL	10
CDB008	1000 mL	10
CDB009	2000 mL	6

Erlenmeyer flask narrow neck



- 1 | Borosilicate glass 3.3. Marking area.

Code	Cap.	Lot
CDB014	100 mL	12
CDB015	250 mL	12
CDB016	500 mL	8
CDB017	1000 mL	6
CDB018	2000 mL	2

Flask Erlenmeyer Simax wide neck



- 1 | Made of borosilicate glass 3.3.

Code	Cap.	Lot
CDB032	100 mL	10
CDB033	250 mL	10
CDB036	500 mL	10
CDB037	1000 mL	10

ISO ECO blue cap bottle



- 1 | Made of soda glass. Graduē.
- 2 | ISO 4796. With DIN GL45 thread. PP Foring ring and cap.

Code	Cap.	Lot
CFB001	100 mL	12
CFB002	250 mL	12
CFB003	500 mL	12
CFB004	1000 mL	10



ISO blue cap bottle



1 | Graduated. Outlet ring and polypropylene stopper (sterilizable up to 140°C).

Code	Cap.	Lot
CFB014	100 mL	10
CFB015	250 mL	10
CFB016	500 mL	10
CFB017	1000 mL	10
CFB018	2000 mL	10

Bottle thread DIN28 transparent



1 | Made of soda glass type III. Thread DIN-28.

Code	Cap.	Lot
CGG002	60 mL	88
CGG003	125 mL	60
CGG004	250 mL	60
CGG005	500 mL	30
CGG006	1000 mL	20

Bottle thread DIN28 amber



1 | Made of soda glass type III. Thread DIN-28.

Code	Cap.	Lot
CGG007	30 mL	110
CGG008	60 mL	100
CGG010	125 mL	70
CGG011	250 mL	49
CGG012	500 mL	35
CGG013	1000 mL	20

Narrow neck bottles PP



1 | Made of polypropylene. Very sturdy and rupture-proof bottle.

Code	Cap.	GL
CGJ046	1000 mL	GL28

Narrow bottle PE without cup



1 | Very sturdy and ruptureproof bottle. Not graduated. Cap not included.

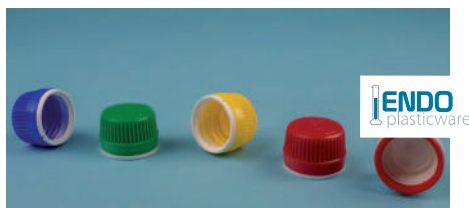
Code	Cap.	GL
CGJ049	500 mL	GL25
CGJ050	1000 mL	GL28
CGJ051	2000 mL	GL28

Safety screw-cap for glass bottle DIN28



Code	Description	Lot
CGL009	Bouchon à vis sécurité	100

Safety screw-cap for glass bottle DIN28



1 | Whitt seal.

Code	Cup colour	Seal colour	Lot
CGL010	Black	Black	100
CGL011	Pink	Red	100
CGL012	Blue	Black	100
CGL013	Red	Black	100
CGL014	Green	Black	100
CGL015	Yellow	Black	100

Stopper, tube and teat for bottles DIN28



1 | Tamper-evident PE stopper.

Code	For bottles
CGL020	30 mL
CGL021	60 mL
CGL022	125 mL

Wash bottle PE



1 | Made of polyethylene (PE). Tube with removable tip.

Code	Cap.	LOT
CKD007	250 mL	10
CKD008	500 mL	10
CKD009	1000 mL	5

Whash bottle

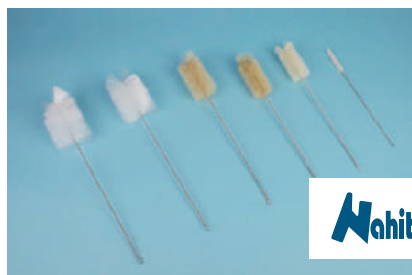


1 | Tube and cap in PP. PE-LD bottle.

Code	Volume	Vol	Lot
CKD549	250 mL	25	12
CKD551	500 mL	25	12
CKD553	1000 mL	32	12



Brushes without



Nahita

Code	For	LOT
ZCF012	Cylinders 500 mL	20
ZCF013	Cylinders 1 L	-
ZCF014	Cylinder 2 L	20
ZCF017	Glasses	20
ZCF018	Pipettes	20

Round bottom flask



1 | Complies with USP and ISO/DIN 4749 standards except for articles.

Code	Ground	Volume	Lot
PBL015	29/32	250 mL	10
PBL018	29/32	500 mL	10
PBL020	29/32	1000 mL	10

Round bottom flask ground joint



Code	Ground	Volume
PBL056	14/23	50 mL
PBL057	29/32	500 mL

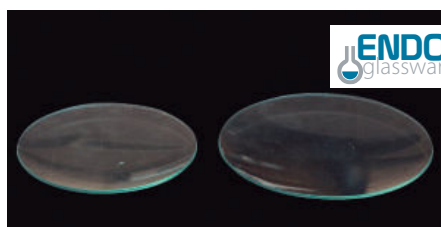
Tanks with spigot



1 | Ils sont réalisés en Polyéthylène à haute densité, sont aptes au contact avec les aliments et ils ont une poignée pratique For le transport.

Code	Cap.	Lot
CLD006	10 L	5
CLD007	20 L	4

Watch glass, ground edge

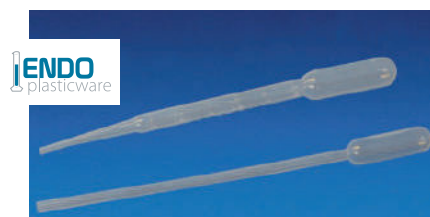


Round HDPE aspirator bottle with tap



Code	Cap.	Ø col
CLD013	5 L	51 mm
CLD014	10 L	51 mm
CLD015	25 L	80 mm
CLD016	50 L	80 mm

Plastic Pasteur pipette



1 | Made of polyethylene, in bags of 500 units.

Code	Height	Volume
DLB010	160 mm	1,0 mL
DLB011	160 mm	3 mL

García Tena kit



1 | For volatile acidity determination in wines Borosilicate glass. Ground joints 14/23.

Code	PBB003
------	--------

Simple distillation equipment



1 | Borosilicate glass. Ground joints 29/32.

Code	Description
PBB015	Simple distillation, 250 mL
PBB016	Fractional distillation, 250 mL

Filtration assembly



Code	Description
PJB001	Filtration system, 300 ml ECO
PJB006	Filtration system, 300 ml , Glassco

ENDO
glassware

GLASSCO

Code	Diameter	Lot
KBN003	60 mm	10
KBN004	70 mm	10
KBN005	80 mm	10
KBN007	100 mm	10



Short stem funnel



1 | 60° cone angle and borosilicate glass except (*).

Code	Diameter	Volume	LOT
PNB001	40 mm	10 mL	16
PNB002	50 mm	30 mL	16
PNB003	75 mm	100 mL	10
PNB004	90 mm	150 mL	12
PNB005	100 mm	200 mL	8
PNB006*	120 mm	400 mL	8
PNB007*	150 mm	750 mL	6

General purpose funnel HDPE



- 1 | Made of high density polyethylene.
- 2 | With edge to avoid spills.
- 3 | With eyelet to hang them.

Code	Diameter	Volume
PNM011	100 mm	300 mL
PNM012	120 mm	450 mL
PNM013	140 mm	750 mL
PNM014	180 mm	1500 mL
PNM015	210 mm	1750 mL
PNM016	260 mm	4000 mL

Glass measuring cylinder, "class A"



1 | With spout and hexagonal base. Blue graduation.

Code	Cap.	Graduation
DBB005	100 mL	1.0 mL
DBB006	250 mL	2.0 mL
DBB007	500 mL	5.0 mL
DBB008	1000 mL	10.0 mL
DBB009	2000 mL	20.0 mL

Graduated measuring cylinder "class A"



1 | With Forout and hexagonal base. Blue graduation.

Code	Cap.	Graduation
DBB030	50 mL	1.0 mL
DBB031	100 mL	1.0 mL
DBB032	250 mL	2.0 mL
DBB033	500 mL	5.0 mL
DBB034	1000 mL	10.0 mL
DBB035	2000 mL	20.0 mL

Graduated measuring cylinder, PP



1 | Hexagonal base. Permanently moulded graduations.

Code	Cap.	Lot
DBJ003	50 mL	10
DBJ004	100 mL	10
DBJ005	250 mL	6
DBJ006	500 mL	6
DBJ007	1000 mL	4
DBJ008	2000 mL	2

Volumetric cylinder, PP



1 | High transparency. High stability thanks to the hexagonal foot with spikes.

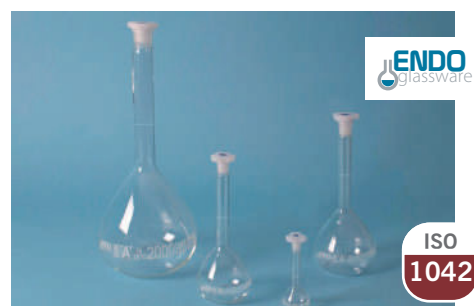
Code	Cap.	Lot
DBJ518	100 mL	12
DBJ519	250 mL	6
DBJ520	500 mL	6
DBJ521	1000 mL	6
DBJ522	2000 mL	3

Ungraded volumetric cylinder without spout



Code	Cap.	Division
DBJ502	50 ml	1,00 mL
DBJ503	100 ml	1,00 mL
DBJ504	250 ml	2,00 mL
DBJ505	500 ml	5,00 mL
DBJ506	1000ml	10,00 mL

Volumetric flask "class A" with stopper



1 | With batch certificate, white graduation.

Code	Cap.	Ground	Lot
DDB003	25 mL	10/19	2
DDB004	50 mL	12/21	2
DDB005	100 mL	12/21	2
DDB007	250 mL	14/23	2
DDB008	500 mL	19/26	2
DDB009	1000 mL	24/29	2

Volumetric flask, class A, with stopper



1 | Plastic stopper. Blue graduation. With lot number.

Code	Cap.	Ground
DDB028	25mL	10/19
DDB029	50mL	12/21
DDB030	100mL	14/23
DDB031	200mL	14/23
DDB032	250mL	14/23
DDB033	500mL	19/26
DDB034	1000mL	24/29

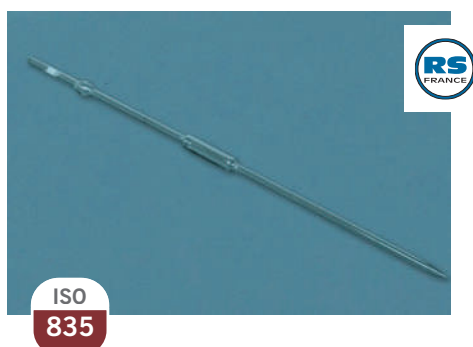


Grad. pipette "Clase A" with bulb, 0 bottom



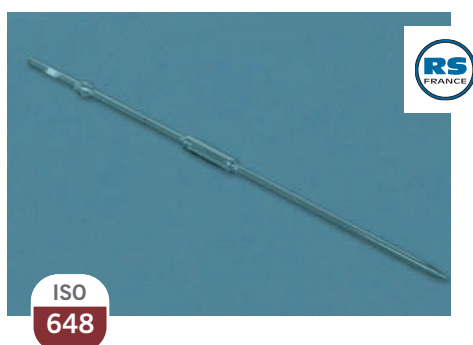
Code	Dimensions	Graduation
DGB001	1 mL	0.10 mL
DGB002	2 mL	0.10 mL
DGB003	5 mL	0.10 mL
DGB004	10 mL	0.10 mL

Pipette 1 mark, class A, with bulb



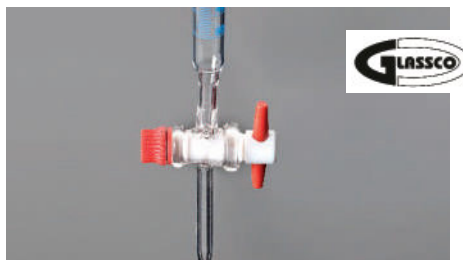
Code	Volume
DJB001	1 mL
DJB002	2 mL
DJB003	5 mL
DJB004	10 mL
DJB006	20 mL
DJB007	25 mL
DJB008	50 mL

Pipette 2 marks, class A, with bulb



Code	Volume
DJP001	1 mL
DJP003	5 mL
DJP004	10 mL
DJP006	20 mL
DJP007	25 mL

Burette Mohr AS PTFE stopcock

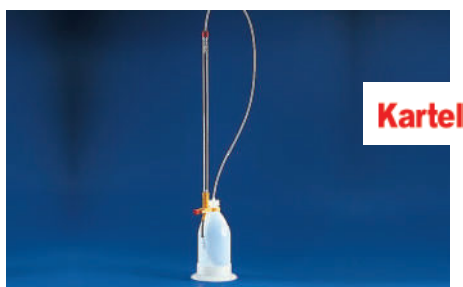


1 | Blue graduation.

Code	Volume	Graduation
DNB004	10 mL	0,05 mL
DNB005	25 mL	0,1 mL

Schilling burette

MADE OF PLASTIC



1 | Class B. PE bottle with PE-LD base.

Code	Volume	Graduation
DNR001	25 mL	0.1 mL
DNR002	50 mL	0.1 mL

MADE OF GLASS



Code	Volume	Graduation
DNR005	10 mL	0.05 mL
DNR006	25 mL	0.1 mL
DNR007	50 mL	0.1 mL

Wine hydrometer -5 +30 % alc.



Code	Divi.	Lot
KLL002	-1/1	10

Pycnometer of Gay Lussac

BORO
3.3

Code	Volume	Ground	Lot
KLQ001	10 mL	7/11	1
KLQ002	25 mL	10/13	10
KLQ003	50 mL	10/13	10

Mustimeter



- 1 | Glass body and presented in individual case.
- 2 | Calibration at 20°C.

Code	Range (°Be)	Div.	Lote
KLL001	0-30°Be	1/2	10
KLL004	7-16°Be	1/5	10
KLL003	4-18% alc. 980-1130 kg/m ³	1/2	10

Alcoholometer



- 1 | Glass body. Presentation in individual case.

Code	Range (%V)	Div.	Lot
KLB002	0-50 %	1	10
KLB003	50-100 %	1	10
KLB008	40-50 %	1	10
KLB009	50-60 %	1	10
KLB010	60-70 %	1	10
KLB011	70-80 %	1	10
KLB012	80-90 %	1	10
KLB014	0-100%	1	10
	10-44 °Cartier	1/2	
KLB016	0-100%	1/1	1



Aerometers



1 | Glass Body. Presented in individual case. In density scale (kg/m³).

Code	Range (%V)	Div.	Lot
KLD001	0-10	1/10	1
KLD002	0-30	1/10	10
KLD003	0-50	1/10	10

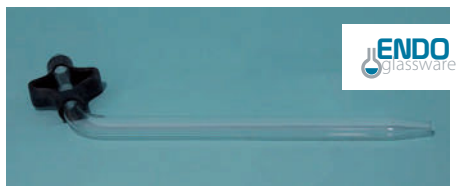
Hydrometer



1 | Glass body. Presentation in individual case. In density scale (kg/m³), calibrated at 20°C.

Code	Range (g/mL)
KL005	1000-1100

Pipette for wine, curved



1 | With rubber Blacke handle.

Code	Height
DLD002	25 cm
DLD003	35 cm
DLD004	45 cm
DLD005	65 cm

Pipette for wine, straight



1 | With rubber Blacke handle.

Code	Height
DLD007	35 cm
DLD008	50 cm

Pipeta para vino



Code	Height	Volume	PRIX
DLD001	640 mm	350 mL	

Manual pipette controller



1 | Easy one-handed operation. Grooved wheel for suction and dispensing.

Code	Volume	Colour
MBJ007	2 mL	Blue
MBJ008	10 mL	Green
MBJ009	25 mL	Red

Pipette controller Maneus, Vitlab



1 | The suction element ensures rapid filling of the pipette (performance: 50 mL in less than 10 seconds).

2 | Easy to dismantle and clean and can be fully autoclaved at 121 °C (2 bar) according to DIN EN 285.

Code	For pipette
MBB501	De 0,1 à 100 mL

Grey rubber bulb



Code	Volume	Colour
MBL001	1 mL	Gray
MBL003	5 mL	Gray

Rubber teat



Code	Material	For pipettes
MBL016	Rubber	Up to 5 mL

Rubber pipette filler with 3 adapters



Code	Colour	For pipettes
MBL019	Red	Up to 10 mL
MBL020	Green	Up to 100 mL

Dispenser Calibrex™



- 1 | For organic solvents.
- 2 | Permanent visibility of the fluid path. Integrated calibration system.
- 3 | Autoclavable at 121°C, fully assembled.

Code	Volume	Division
Organo 525		
MDD024	2.5-25 mL	0.5 mL



Autoclavable micropipette



DIGIPETTE

- 1 | Entièrement autoclavable.
- 2 | Individual calibration certificate according to EN-ISO 8655-6.

Code	Volume	Division
MGB001	0.1-2.5 μL	0.01 μL
MGB002	0.5-10 μL	0.1 μL
MGB003	2-20 μL	0.1 μL
MGB004	5-50 μL	0.5 μL
MGB005	10-100 μL	0.5 μL
MGB006	20-200 μL	1 μL
MGB007	100-1000 μL	5 μL
MGB008	0.5-5 mL	5 mL

Micropipette Acura manual® 825

SOCOREX
SWISS

- 1 | Adjustable tip ejector fitting most tips.
- 2 | Swift-set user calibration system.
- 3 | Shock, UV-light and autoclaving resistance (121°C).

Code	Volume	Division
MGB035	0.5-10 μL	0.01 μL
MGB037	2-20 μL	0.02 μL
MGB038	5-50 μL	0.1 μL
MGB039	10-100 μL	0.1 μL
MGB040	20-200 μL	0.2 μL
MGB033	100-1000 μL	1 μL

Dispenser Calibrex™ 520

SOCOREX
SWISS

- 1 | Immediate volume adjustment.
- 2 | Autoclavable at 121°C / 250°F fully assembled

Code	Volume	Division
MDD015	1-5 mL	0.1 mL
MDD016	1-10 mL	0.25 mL

Universal yellow pipette tips



Kartell

- 1 | Universal type yellow colour.

Code	Volume	Packaging
MJJ004	2-200 μL	Bulk (1.000 unités)

Pointes For pipette - Digipette

Characteristics of the pipette tips - Standard

- 1 | Made of polypropylene, fully autoclavable.

Characteristics of the pipette tips - HQ

- 1 | All premium line tips are certified and free of DNase, RNase, human DNA, endotoxins, pyrogens and PCR inhibitors.

- 2 | The design of the tips prevents denaturation of

the DNA.

- 3 | It is possible to visually check the correct aspiration of samples thanks to their high clarity and transparency as well as the graduation on the tips.

	Code	Volume	Packaging
	White		
	MJB011	0.1-10 μL	Bulk (1.000 unités)
	Yellow		
	MJJ016	200 μL	Bulk (1.000 unités)
	Transparent		
	MJQ020	10 mL	Bulk (100 unités)

Triopack Acura® manual 825



- 1 | Includes: Qualitix® samples, silicone grease, quality control certificates and instruction manual.
- 2 | Three adjustable pipettes.

Code	Contenu (Modèles de micro / macropipette)		
MGB044	10 μL (0.5-10)	100 μL (10-100)	1000 μL (100-1000)
MGB049	1000 μL (100-1000)	5 mL (0.5-5)	10 mL (1-10)



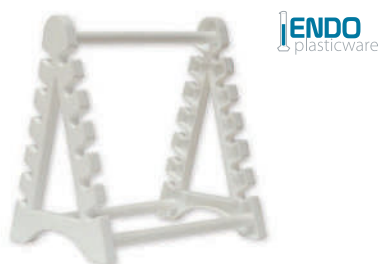
Draining rack with drip tray



1 | Made of plastic coated steel. Ideal for drying different materials. Can be used as desktop or hanging.

Code	Hangers	Dimensions
ZCZ002	55	640x360x140mm

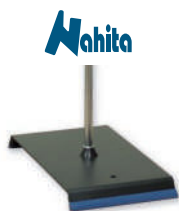
Stand for pipettes and thermometers



1 | With capacity for 12 units up to 10 mm diameter.

Code	Dimensions
BJN009	205x150x220 mm

Retort stand+ rod

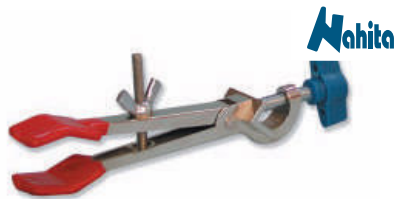


Code	Base	Rod (ØxL)	Lot
FCB006	175x100 mm	500x10 mm	1
FCB007	225x125 mm	600x10 mm	1
FCB008	250x150 mm	600x10 mm	1
FCB009	300x150 mm	900x10 mm	1

Stabilizing ring



Clamp 2 prongs with bosshead



1 | For burettes and tubes. Fixed bosshead for rods up to 14 mm Ø.

Code	Description
FCG006	7-25 mm

Automatic clamp with bosshead



1 | Rotary bosshead for rods up to 18 mm Ø.

Code	Description
FCG009	0-25 mm

Clamp 3 prongs without bosshead



Code	Aperture	Rod (ØxL)
FCJ005	0-95 mm	8x150 mm

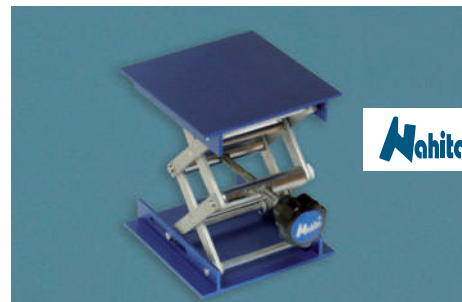
Clamp 4 prong without bosshead



Code	Aperture	Rod (ØxL)
FCJ013	0-80 mm	10x130 mm*

* adjustable angle 180°

Laboratory jack



1 | Made of aluminium.

Code	Base	Max. load
FCD001	10X10 cm	14 kg
FCD002	15X15 cm	27 kg
FCD003	20X20 cm	38 kg

Tripod stand



Code	Model	Diameter
FFB004	Round	120 mm
FFB005	Round	150 mm
FFB008	Triangular	160 mm

Iron wire gauz



Code	Dimensions	Ø ceramics
FFD001	12x12 cm	80 mm
FFD002	15x15 cm	100 mm
FFD003	20x20 cm	145 mm

Micro Bunsen burner, natural gas



Code	Description
FFJ003	Micro Bunsen burner, natural



Double clamp for burettes



Code	Material
FCG013	PP

Clamp PP for one burette



Code	Material	Rods
FCG015	PP	from 10 to 14 mm

Double bosshead



Code	Type	Rod
FCP004	Painted	25 mm
FCP008	Zinc plated	25 mm

Rotary double bosshead



Code	Rods up to
FCP011	20/13 mm

Double bosshead



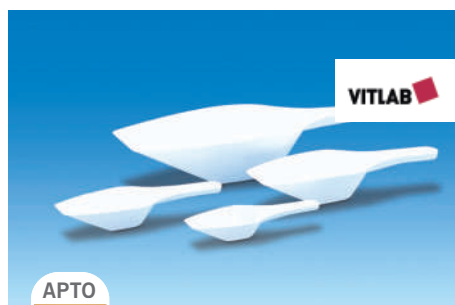
Code	Model	Rods up to
FCP016	Type P	10 mm

Industrial scoop HDPE



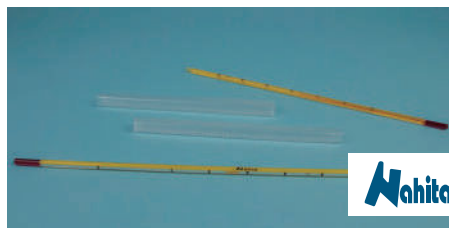
Code	Volume	Height
FKW001	1100 mL	36 cm
FKW002	250 mL	24 cm
FKW003	2500 mL	40 cm
FKW004	600 mL	30 cm

Measuring scoop PP



Code	Volume	Height	Lot
FKW504	50 mL	160 mm	12
FKW505	100 mL	200 mm	12
FKW506	250 mL	260 mm	6
FKW507	500 mL	315 mm	6
FKW508	1000 mL	385 mm	6

Yellow stem thermometer red spirit



- 1| External facing in colour brown.
- 2| Filled with red body fluid.
- 3| With glass eyepiece ring.

Code	Range	Divisions
KJB004	-10/110 °C	0.5 °C
KJB010	-10/50 °C	1 °C
KJB011	-10/110 °C	1 °C
KJB012	-10/150 °C	1 °C

Thermometer for wine



- 1| External engraving in colour brown. Filled with red organic liquid.
- 2| Height: 120 mm.

Code	Range	Divisions
KJR003	0/40 °C	1 °C

Wine liquid crystal thermometer



- 1| For bottles.

Code	Range
KJR008	4/24 °C

Digital thermometer with metal probe



- 1| Maximum and minimum temperature memory. 150 mm stainless steel probe, fixed.

Code	KJJ004
Range	-50/300 °C / -58/572 °F
Resolution	0.1 °C / 0.1 °F

Thermometer with ring



- 1| Indoor scale. Non-contaminating red organic liquid.

Code	KJR002
Range	0/50 °C
Resolution	1 °C



Paper pH 1-14



Nahita

Code	pH	Format
KDJ006	1-14 pH	Roll 5 m

Angle centrifuge 2650 digital



nahita
blue

- 1 | Angular rotor (painted aluminum)
- 2 | Furnace-painted steel casing. Methacrylate lid with locking anchorage.
- 3 | Brushless motor.
- 4 | Electromagnetic contact switch for cover and lock.

Code	GBF012
Capacity	12x15 mL
FCR max.	2300 xg*
Speed range	500-4000 rpm

* en steps de 50 rpm

Medibas+ centrifuge mod. 2741



nahita
blue

- 1 | Autoclavable rotor and adapters.
- 2 | Digital microprocessor control, LED displays and single-lever switch.
- 3 | Maintenance-free induction motor.
- 4 | 9 acceleration and deceleration curves.
- 5 | Timer: 0-99 min.

Code	GLC001
Capacity	4x100 mL (100x40)
	8x50 mL (type Falcon)
	16x15 mL (type Falcon)
	15x5-7 mL (avec adaptateur*)
Speed range (rpm)	500 - 4000
FCR	2630 / 2720 / 2790

* adaptateurs GBK003

Digital angle centrifuge, 2615/1



nahita
blue

- 1 | Boîtier en acier peint au four. Suspension moteur à ressort.
- 2 | Safety device integrated in the lid.

Code	GBF001
Capacity	6x15 mL
Speed range	1000-4000 rpm*
FCR max	1790 g

* in steps of 500 rpm

Digital angle centrifuge 2698



Nahita

- 1 | Safety switch that avoids centrifugation if the lid is open and that automatically stops operation in case of opening the lid.
- 2 | Maintenance-free induction motor.
- 3 | Baked metal, with translucent blue plastic cover.

Code	GBF006
Capacity	8x15 mL
Speed range	4000 rpm*
FCR max	2000 g

Digital angle centrifuge Fugelab-GB10



Nahita

- 1 | Plastic housing and cover. Plastic rotor and tube holder.
- 2 | Memorizes the last program made.
- 3 | Audible alarm at the end of the cycle and automatic lid opening.

Code	GBF010
Capacity max	12x15 mL
Speed range	100 - 4000 rpm
FCR max	2250 g

Monocular microscope 116



ZuZi

- 1 | Monocular head 45° inclined and 360° rotatable.
- 2 | LED illumination

Code	HBB003
Eyepieces	WF10x/18 mm (Ø 23 mm)
Nosepiece	Triple
Objetives	Achromatic 4x, 10x y 40x

Binocular microscope, E series



ZuZi

- 1 | Binocular head, 30° inclined and 360° rotatable.
- 2 | LED illumination with intensity potentiometer.
- 3 | Mechanical stage 115x125 mm.

Code	HBB011
Eyepieces	WF10x/18 mm (Ø 23 mm)
Nosepiece	Quadruple inverted
Objetives	Achromatic 4x, 10x, 40x (R), 100x (R) (I)

Binocular microscope, P series



ZuZi

- 1 | Binocular head, 30° inclined and 360° revolving.
- 2 | LED light with intensity potentiometer.
- 3 | Interpupillary distance adjustment: 55-75 mm.

Code	HBC015
Eyepieces	WF10x/18 mm (Ø 23 mm)
Nosepiece	Quadruple inverted
Objetives	Achromatic 4x, 10x, 40x (R), 100x (R) (I)



Trinocular microscope 158/8



1 | Siedentoph trinocular head. Adjustable inclination 0-40° and rotary 360°.

2 | Quintuple inverted nosepiece rotary in both ways

3 | Köhler illumination system. Abbe condenser (A.N. 1.25).

Code	HBC014
Eyepieces	WF10x/22 mm
Nosepiece	quintuple
Objetives	Achromatic 4x, 10x, 20x, 40x (R), 100x (R) (I)

Stereomicroscope Model 218/2



1 | Incident and transmitted LED

2 | Ground glass plate. White/black plate.

Code	HDB002
Head	Binocular, Inclined 45°
Eyepieces	WF10x/20 mm
Interpupillary distance	55-75 mm
Objetives	2x/4x

Spectrophotometer 4111RS



1 | Manual adjustment of wavelength.

2 | Includes 2 glass cells, 10 mm path length.

3 | Reading: absorbance, transmittance and concentration.

Code	HJB002
Wavelength range	330 - 1000 nm
Band width	8 nm
Photometric range	0-105% T; 0-1,999 A
Wavelength	
Accuracy	±2 nm
Resolution	±1 nm

Triocular microscope 158/8



1 | Siedentopf type trinocular head, inclined 30° and rotary 360°.

2 | 3W LED light and Abbe condenser with iris diaphragm.

Code	HBC021	HBC022
Head	Binocular	Triocular
Eyepieces	WF10x/22 mm	
Nosepiece	Quintuple inverted	
Objetives	Achromatic 4x, 10x, 20x, 40x (R), 100x (R) (I)	

Binocular stereomicroscope, Z series



1 | Head binocular inclined 45° and rotary 360°.

2 | Illumination LED translucent and transmitted.

3 | Double working distance (35 and 100 mm).

Code	HDD011
Head	Binocular, inclined 45°
Eyepieces	WF10x/20 mm
Interpupillary distance	55-75 mm
Objetives	1x

Spectrophotometer 4211/20



1 | Digital adjustment of wavelength.

2 | Compartment for 4 cells of 10 mm (external exchanger). Includes 4 glass cells, 10 mm pathlength

Code	HJB004
Wavelength range	325 - 1000 nm
Band width	4 nm
Photometric range	0-125% T / -0,097 0-2,5A
Wavelength	
Accuracy	±2 nm
Resolution	±1 nm

Spectrophotometer UV-Visible 4211/50



1 | Digital adjustment of wavelength.

2 | Reading: absorbance, transmittance and concentration (standard curve and coefficient methods)

3 | Includes 4 glass cells and 2 quartz cells, 10 mm pathlength.

Code	HJD002
Wavelength range	200 - 1000 nm
Band width	4 nm
Photometric range	0-125% T / -0,097 1,999 A
Wavelength	
Accuracy	±2 nm
Resolution	±1 nm
Sample compartment	For 4 cuvettes de 10mm

Tablet with camera for microscope



1 | Touch screen 11.6".

2 | The tablet is equipped with a C-connector and a 0.5x 23 mm adapter, making it compatible with monoEyepieces, binEyepieces, triEyepieces and stereomicroscopes, dissecting and telescopic microscopes.

Code	HGF002	HGF001
Screen	11,6 inch	9,7 inch
Camera	16 Megapixel	5.0 Megapixel
Resolution	1536x2048	4032 x 3024



Set of calibration standard



Code HJG007

Composed of:

Filter	Description	Absorbance measured at nm
F1	Holmium Oxide	279, 364, 454, 536, 638
F2	Neutral Density	440, 465, 546, 590, 635
F3	Neutral Density	440, 465, 546, 590, 635
F4	Neutral Density	440, 465, 546, 590, 635

Standard glass cell



- 1 | They have two polished walls and have a cap (not airtight).
- 2 | They are the most common in analytical chemistry.

Code	Light path	Cap.	Lot
Glass			
HJK001	1 mm	1.70 mL	2
HJK004	10 mm	3.50 mL	2
Quartz			
HJL001	1 mm	1.70 mL	2
HJL004	10 mm	3.50 mL	2

Cuvette macro PS



- 1 | Supplied in boxes of 100 pieces.
- 2 | External dimensions: 12x12x45 mm.

Code	Volume	Lot
HJM004	4.5 mL	10
HJM005	1.5 mL	10
HJM010	1.5 mL	10

Hand refractometer 0-25% prob. alcohol



- 1 | Refractometer specially designed to measure the probable alcohol in grapes.
- 2 | Supplied in a plastic box with sample pipettes, case, screwdriver, blinkers and rubber handle.

Code	Range	ATC
HPH002	0-25% *	Yes
HPH013	0-25%*	Yes

*Probable alcohol

Hand Refractometer



- 1 | Supplied in a plastic box with sample pipettes, holster, screwdriver, blinkers and rubber handle.

Code	HPH003
Range	
Alcohol	0-25%
Baume grades	0-22%
Grade Brix	0-40%
ATC	Yes



- 1 | Supplied in a plastic box with sample pipettes, holster, screwdriver, blinkers and rubber handle.

Code	HPH006
Range	
Oe grades	0-140
KMW Bab grades	0-25
Mas sacch	0- 32%
ATC	Yes

Electronical balance 5161 series



- 1 | Full plastic housing and stainless steel pan.
- 2 | With built-in rechargeable battery; Lock/Unlock battery switch

Code	KBB004	KBB005
Capaci max. (g)	1000	2000
Weight calibration (Kg)	0.5	1
Readability(g)	0.1	
Accuracy (g)	± 0,02	
Pan size(mm)	143x192	

Digital balance, 5031 series



- 1 | Weighing in grams and ounces. Tare and calibration functions

Code	KBB018
Capaci max. (g)	1000
Readability(g)	0.1
Accuracy (g)	± 0,02
Pan size(mm)	Ø 190 mm

Precision balance, 5173 series



- 1 | Pieds réglables en Height et bulle de niveau For un positionnement précis de la balance.
- 2 | Fonction compte-pièces avec sélection du nombre de pièces de Code.

Code	KBD005
Capaci max. (g)	300
Weight calibration (Kg)	0.2
Readability(g)	0.001
Accuracy (g)	± 0,02
Pan size(mm)	Ø 90 mm



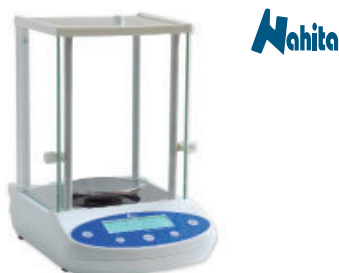
Precision balance, 5133 series



- 1 | Calibration weight (200g) included.
- 2 | Easy to read LCD display with backlit. Aluminum alloy die cast base and mains and stainless steel pan.

Code	KBD003
Capacity (g)	500
Repeatability	0.001
Pan size (mm)	ø 90
Calibration weight	0.2 Kg

Precision balance, 5063 series



- 1 | Weighing in grams, carats, pounds, ounces. Tare, calibration and piece-counting function.
- 2 | Calibration weight included. With glass chamber.

Code	KBD012	KBD013
Capacié máx. (g)	100	200
Calibration weight (Kg)	0.2	
Repeatability (g)	0.001	
Range de Tarage (g)	0-100	0-200
Pan size (mm)	ø 90 mm	

PH5 Serie Premium



- 1 | Temperature compensation.
- 2 | 3 calibration points

Code	KDB004
pH	
Range	-2.00-16.00 pH
Res./ Accuracy	0.01 pH / ±0.01
ORP	
Range	±1000 mV
Accuracy	±0.2% Fs
Temperature	0-50°C
Sonde	Sphérique

Benchtop pH meter PH700



- 1 | Automatic 3-point calibration.
- 2 | Electrode: 201T-F with temperature probe (KDG021).
- 3 | Benchtop meter pH / ORP / Temperature.

Code	KDD008
Range pH	0-14 pH
Range mV	± 1999 mV
Resolution	0.01 pH/1mV

Benchtop conductimeter EC700



- 1 | 3 calibration points.
- 2 | Electrodes with temperature probe (KZD018).
- 3 | Temperature compensation.

Code	KGD005
Range	0-19,99 µS/cm, 20,0-199,9 µS/cm 200-1999 µS/cm; 2 - 19.99 mS/cm 20 - 200.0 mS/cm
Resolution	0,01/0,1/1 µS/cm, 0,01/0,1 mS/cm
Accuracy	± 1,0% F.S / ±0,5°C

Benchtop pH meter PH820



- 1 | Automatic 5-point calibration.
- 2 | Electrode: LabSen 211 (KDG022). STemperature probe (KDG039).
- 3 | Benchtop meter pH / ORP / Temperature.

Code	KDD009
Range pH	0-14 pH
Range mV	± 1999 mV
Resolution	1 mV

Electrode stand



- 1 | Painted steel base. ABS plastic body.
- 2 | 3-point articulated plastic arm. Arm rotates at 360°C.

Code	KDG045
------	--------

Portable dissolved oxygen meter DO8500



- 1 | Temperature, air pressure and salinity compensation.

Code	KZB004
Disolved oxygen	
Range	0-200 %; 0 - 20.0 mg/L
Resolution	0.1/1 %, 0.01/0.1 mg/L
Accuracy	±2% de lecture o ±2% de saturation ±2% de lecture o ±0.2 mg/L (ppm)
Calibration	Zero oxygen and oxygen saturation
Compensation de T.	0 a 50°C
Temperature	
Range	De 0 a 50 °C



Digital pH-meter 907

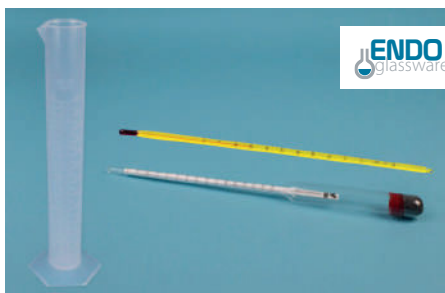


Nahita

- 1| Functions of automatic temperature compensation, automatic calibration and automatic calculation of the theoretical slope of the electrode.
- 2| Automatic calibration in 1 or 2 points with possibility of manual adjustment.

Code	KDD006
Range de mesure	
pH	2.00-18.00
mV	± 1999
T	0/100 °C
Accuracy	
pH	± 0.02 (±1 bit)
mV	±1 (±1 bit)
T	±0.5 °C ±1 bit 0.0/60.0 °C ±1 °C ±1 bit 60.0/100.0 °C
Temperature	0-50°C
Sonde	Spherical

Kit Alcohol content and density in wine



ENDO
glassware

Code	KZG001
Composed of	
DBJ005:	Graduated beaker PP, 250 mL
KJB004:	Thermometer rod yellow lq cabbage, -10/110 (0.5)
KLL003:	Must meter 4-18 % alc. y 0,980-1.130 g/mL

Precision electrode for pH



APERA
INSTRUMENTS

Code	KDG023	KDG029
Body	Cylindrical glass	Cylindrical glass
Probe temp.	No	NTC 30kΩ
Dimens (ØxL)	12x120 mm	12x130mm

SPECIAL OFFER!! INCUBATORS MANTLES

Portable multiparameter analyzer PC850



APERA
INSTRUMENTS

- 1| Parameters: pH, ORP, Conductivity, TDS, Salinity, Temperature
- 2| Temperature compensation.

Code	KZD007
Range pH	0-14 pH
Range mV	±1000 mV
Range	0 – 19.99 µS/cm 20.0 – 199.9 µS/cm 200-1999 µS/cm 2 – 19.99 mS/cm 20 - 200.0 mS/cm
Range TDS	0.1 mg/mL – 100 g/L
Resolution	0.01 pH/1 mV/0.1°C



Incubators Series 636 Plus

Made of painted and kiln-dried steel.

Air circulation system by natural convection.

Adjustable legs for easy installation..

Temperature range: ambient to 80 °C.

Code	JBB002	JBB003	JBB004
Volume	45 L	65 L	125 L
Resolution	1°C (configurable at 0.1°C)*		

*to consult

Heating Mantle with Regulation, 655 series

Electronic temperature adjustment. Maximum temperature 370 °C

It is equipped with a rod holder

Code	JGD003	JGD004	JGD005	JGD006
Volume	250 L	500 L	1000 L	2000 L
Ø int.	90 mm	105 mm	140 mm	180 mm





Ultra-flat magnetic stirrer 1F - Flat Design

RS Lab



- 1 | With anti-reverse system. Only 15 mm thick..

Code	LBG004
Capacity	0,8 L
Range Speed range	15-1500 rpm
Ø. plate	90 mm

Magnetic stirrer RSLab 1M-Mini

RS Lab



- 1 | With rod and electrode clip.

Code	LBG011
Capacity	1,5 L
Range Speed range	300-2000 rpm
Ø. plate	120 mm

Hydrogen peroxide, 0-0,8 / 1-10 ppm



- 1 | Method: Ferric Thiocyanate.
2 | contains everything needed to perform 30 tests: Refill, Low and High Range Comparators, 25 mL sample cup, and instructions.
3 | Analysis Time: < 1 minute.

Code	Range	MDL
NBB002	0-0,8 and 1-10 ppm	0,05 ppm

Hydrogen peroxide, 0-50 / 60-600 ppm



- 1 | Method: Ferric Thiocyanate.
2 | Contains everything needed to perform 30 tests (except distilled water).
3 | Analysis Time: < 1 minute.

Code	Range	MDL
NBB003	0-50 and 60-600 ppm	0,05 ppm

COD Photometer



CHEMetrics

- 1 | Auto Shutoff: After 15 minutes of non-use.
2 | Optics: 430 nm LED/interference filter and photosensor in transparent sample chamber.

Code	NFC009
Wavelength Accuracy	± 1 nm
Photometric Accuracy	3% full scale (T = 20 - 25° C / 68 - 77° F)
Photometric Resolution	0.01 A
Operating Temp.	5 to 40°C (41 to 104°F)
Battery	4 AAA batteries

COD Photometer (High Range)

CHEMetrics



- 1 | Auto Shutoff: After 15 minutes of non-use.
2 | Optics: 605 nm LED/interference filter and photosensor in transparent sample chamber.

Code	NFC010
Wavelength Accuracy	± 1 nm
Photometric Accuracy	3% full scale (T = 20 - 25° C / 68 - 77° F)
Photometric Resolution	0.01 A
Operating Temp.	5 to 40°C (41 to 104°F)
Battery	4 AAA batteries

Chlore (free and total), 0-1/0-5 ppm



- 1 | Method: DPD (free & total).
2 | Contains everything needed to perform 30 tests: Refill, Low and High Range Comparators, Activator Solution, 25 mL sample cup, and instructions.
3 | Analysis Time: < 1 minute.

Code	Range	MDL
NBD002	0-1 and 0-5 ppm	0,05 ppm

Chlore (free and total), 0-50/0-250 ppm



- 1 | Method: DPD (free & total).
2 | Contains everything needed to perform 30 tests (except distilled water): Refill, Low and High Range Comparators, Activator Solution, 25 mL sample cup, 3.0 mL Syringe, and instructions.
3 | Analysis Time: < 1 minute.

Code	Range	MDL
NBD003	0-50 and 0-250 ppm	5 ppm

Chlore (free and total), 0-100/0-500 ppm



- 1 | Method: DPD (free & total).
2 | Contains everything needed to perform 30 tests (except distilled water): Refill, Low and High Range Comparators, Activator Solution, 25 mL sample cup, 200 uL MiniPet@1 and instructions.
3 | Analysis Time: < 1 minute.

Code	Range	MDL
NBD004	0-100 and 0-500 ppm	5 ppm



Chlorine dioxide, 0-2/0-10 ppm



- 1 | Contains everything needed to perform 30 tests: Refill, Low and High Range Comparators, Neutralizer Solution, 25 mL sample cup, and instructions.
- 2 | Analysis Time: < 1 minute.

Code	Range	MDL
NBD017	0-2 and 0-10 ppm	0,05 ppm

Chlorine dioxide, 0 -11 ppm



- 1 | Method: DPD
- 2 | Contains everything needed to perform 30 tests: Refill, Low and High Range Comparators, Neutralizer Solution, 25 mL sample cup, and instructions..
- 3 | Analysis Time: < 1 minute.

Code	Range	MDL
NBD018	0-11 ppm	0,1 ppm

Sulfite in Wine -10-100 ppm



- 1 | Method: Ripper (Sulfite in Wine).
- 2 | Dependable, sealed single-use titrants. Fast, easy procedure — no need to count drops. No burettes or other equipment necessary. Perform a titration ANYWHERE.

Code	Range	MDL
NBL017	10-100 ppm as SO ₂	10 ppm

Water purification system HLP Smart



- 1 | The purified water has a conductivity of less than 0,06 $\mu\text{S}/\text{cm}$ and meets the requirements of the Polish standard PN-EN ISO 3696: 1999 (Water for analytical laboratory use. Specification and test methods.) for grade 2 water.
- 2 | LCD display.
- 3 | Conductivity meter for conductivity and temperature of the purified water.
- 4 | Temperature compensation.
- 5 | Clock displaying date and time.

Code	PDB006
Water supply	Tap water
Purified water production capacity	5 L/h
Purified water conductivity	< 0,06 $\mu\text{S}/\text{cm}$
Storage tank	10L (purified water)

Water purification system Basic 5



- 1 | The purified water, depending on the flow rate of the tap water, has a conductivity ranging from 0.2 to 0.8 $\mu\text{S}/\text{cm}$ and meets the requirements of the Polish standard PN-EN ISO 3696: 1999 (Water for analytical laboratory use. Specification and test methods.) for grades 2 and 3 water.

Code	PDB007
Water supply	Tap water
Purified water production capacity	5 L/h
Purified water conductivity	< 0,06 $\mu\text{S}/\text{cm}$

Glass water still 4 l/h, QUARTZ



- 1 | This automatic and continuous production quartz resistance distiller provides high quality distilled water.
- 2 | It provides a safety mechanism.
- 3 | Made of borosilicate glass.

Code	PDG002
Production	4 l/h
Conductivity 20 °C	2 $\mu\text{S}/\text{cm}$
Water consumption	1 L/min

Glass water distiller in box, 4000 series



- 1 | Borosilicate glass.
- 2 | Quartz resistance.
- 3 | With double security device.

Code	PDG003
Production	4 l/h
Conductivity 20 °C	2 $\mu\text{S}/\text{cm}$
Water consumption	1,4 L/min



Safety eyewear 511 anti-scratch



- 1 | Frame made of anti-allergic material, built-in lateral protection.
- 2 | Adjustment of the pins in length and inclination.

Code	Frame	Lense	LOT
RBG009	Blue	Transparent	10

Lunettes de sécurité 511 anti-rayures



- 1 | Frame made of anti-allergic material, built-in lateral protection.
- 2 | Adjustment of the pins in length and inclination.

Code	Frame	Lense	LOT
RBG012	Blue	Transparent	10

Face shield 699 with chin guard



- 1 | Interchangeable front sweatband.
- 2 | Overlap with safety glasses and respiratory masks.

Code	Field of use
RBG017	Liquids (drops)

Face shield



- 1 | Composed of a support, an integral face shield with elastic headband.

Code	Field of use
RBG054	

Basic safety goggles 602



- 1 | Overlap with prescription glasses. Adjustable elastic band and soft frame.

Code	Frame	Lense	LOT
RBG002	Transparent	Transparent UC	10

Digital ultrasound bath with heating



- 1 | AISI 304 stainless steel tank and case.
- 2 | Lid and basket included.

Code	ZCC005	ZCC006
Volume	3 L	6 L
Ultrasound power	160 W	240 W
Basket dim.	220x120x60	285x140x135

Counting chamber Neubauer



- 1 | Depth: 0.100 mm.
- 2 | Minimum area: 0.0025 mm².

Code	Format
ZMB053	Standard

Counting chamber CE Malassez



- 1 | Depth: 0.200 mm.
- 2 | Minimum area: 0.0025 mm².

Code	Format
ZMB021	Standard, double net ruling dark-lined

Thoma counting chamber



- 1 | Depth: 0.100 mm.
- 2 | Minimum area: 0.0025 mm².

Code	Format
ZMB031	Standard, double net ruling dark-lined
ZMB034	Standard, double net ruling dark-lined