Zone samplers | for all kinds of bulk goods



1. Multi sampler (closed chambers);

2. All layer sampler (open inner tube); 3. Uno sampler (one closed chamber).

Bürkle zone samplers are used for taking samples of bulk goods of any kind.

The big advantage of zone samplers is that all-layer samples can be collected from all layers of the container.

Various bulk goods can be collected with the lances, from the finest powder to large grains such as corn or nuts.

The zone samplers are available in four lengths. 55 cm (especially suitable for sacks), 85 cm long (especially for barrels, tubs, mixed containers) and 150 cm as well as 250 cm for big bags, silos, tanks. Safe and reliable sampling is made even easier with useful special accessories such as sealing sleeves,

Quali-Paper, cleaning brushes, emptying devices and close-it control seals.

The zone samplers are available in different models for different sampling tasks.

- Smallest possible gap between the inner and the outer tube
- Easy cleaning, removable tip
- Colour coding (Multi and Uno sampler)
- Ultra-pure materials
- Excellent processing, robust model





Colour coding: Identification to prevent mixing up multi samplers and single samplers.





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Zone samplers | for all kinds of bulk goods



All-layer sampler, with open inner tube, no separate chambers, and large sampling volume. For all-layer samples through all the layers of the sample.

- Aluminium or V4A (1.4404)
- ▶ 25 mm Ø



Corresponds to ISTA standard for seed lengths of 10 mm (wheat, oats) and 5 mm (flax, vetches).



Multi sampler with several closed chambers, for multi point sampling from several predetermined sampling depths.

- ▶ Aluminium anodised, V4A (1.4404) or V4A/PTFE
- Version made of V4A/PTFE with low weight due to PTFE sample chambers.
- ▶ With colour coding system
- ▶ 25 mm Ø



Uno sampler made of stainless steel V4A/PTFE with a closed sample chamber for point sampling from a predetermined sampling depth.

- Outer tube stainless steel V4A (1.4404), sample chambers made of PTFE
- ▶ With colour coding system
- ▶ 25 mm Ø



close-it seals openings. See page 88.

All-layer-	sampler	autoclave 121°	TT DIN §	13 years			
Material	Total length cm	Insertion depth mm	No. of openings	Chamber volume ml	Price €	Item no.	
aluminium	55	430	3	70		5317-2055	N4
aluminium	85	710	3	130		5317-2085	N4
aluminium	150	1355	5	260		5317-2150	N4
V4A	55	430	3	70		5316-2055	N4
V4A	85	710	3	130		5316-2085	N4
V4A	150	1355	5	260		5316-2150	N4

Multi san	npler				autoclave DIN & ars			
Material	Total length cm	Insertion depth mm	Number of collection chambers	Chamber volume ml	Price €	Item no.		
aluminium	55	430	3	14		5317-1058	N4	
aluminium	85	710	3	17		5317-1085	N4	
aluminium	150	1355	5	17		5317-1150	N4	
V4A	55	430	3	14		5316-3055	N4	
V4A	85	710	3	17		5316-3085	N4	
V4A	150	1355	5	17		5316-3150	N4	
V4A/PTFE	55	430	3	14		5316-0055	N4	
V4A/PTFE	85	710	3	17		5316-0085	N4	
V4A/PTFE	150	1355	5	17		5316-0150	N4	

Uno sam	pler		autoclave 121°	™ DIN ® ears		
Material	Total length cm	Insertion depth mm	Number of collection chambers	Chamber volume ml	Price €	Item no.
V4A/PTFE	55	430	1	17		5316-1055 N4
V4A/PTFE	85	710	1	17		5316-1085 N4
V4A/PTFE	150	1355	1	17		5316-1150 N4
V4A	150	1355	1	17		5316-4150 N4

- 1. Turn the handle, close the chambers.
- 2. Insert the sampler to the required depth.
- 3. Open the chambers, sample flows into the chamber.
- 4. Close the chambers.
- 5. Pull out the sampler.
- 6. Close the insertion opening with the close-it control seal.
- 7. Empty the chambers onto Quali-Paper or with the emptying device.

Zone samplers | for all kinds of bulk goods





Jumbo sampler with a tube diameter of 50 mm, ideal for coarse grains and larger quantities.

With an open inner tube and large sampling volume, for all-layer samples through all layers of the sample or with sample chambers separated by PTFE separators for multi point sampling from several predetermined sampling depths.

- Aluminium or aluminium/PTFE
- ▶ 50 mm Ø

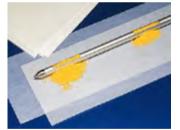
Jumbo sampler						autoclave 121°	ZT DIN (\3 Vears
Model	Total length cm	Material	Insertion depth mm	No. of open- ings	Chamber volume ml	Price €	Item no.	
All layer - open inner tube	85	aluminium	710	3	880		5319-1085	N4
All layer - open inner tube	150	aluminium	1355	5	1700		5319-1150	N4
All layer - open inner tube	250	aluminium	2355	7	2900		5319-1250	N4
Multi - closed chambers	85	aluminium/PTFE	710	3	390		5319-2085	N4
Multi - closed chambers	150	aluminium/PTFE	1355	5	650		5319-2150	N4
Multi - closed chambers	250	aluminium/PTFE	2355	7	910		5319-2250	N4

Accessories for zone samplers





Zone sampler sealing sleeves





Quali-Paper for zone sampler

Cleaning brushes

Emptying	device							$\triangle^{\hspace{-0.1cm}2}_{2A}$
Model		Material	Length cm	Price €	Quan- tity scale from	Scale price €	Item no.	
device with 3	funnels	V2A	100		5		5317-0030	N4
emptying fun	nel separate	V2A			3		5317-0033	N4
Sealing slo	eeves							<u></u>
Dia. mm	Pieces pe pack	r Price	. €	Quantity from	scale Scale	e price €	Item no.	
25	3			10			5317-0011	N4
50	3			10			5317-0010	N4

Quali-	Quali-Paper								
L x W cr	n Pcs. p	er pack Price €	Quanti	ity scale from	Scale price	€ Item r	10.		
100 x 23	3 50		10			5317-	0001	N4	
Cleaning brushes									
Dia. mm	Length cm	Material	Price €	Quantity scale f	rom Scale p	rice € Item n	10.		
25	40	PVC/stainless steel		10		5304-0	0040	N4	
25	60	PVC/stainless steel		10		5304-0	0060	N4	
25	80	PVC/stainless steel		10		5304-0	0800	N4	
25	100	PVC/stainless steel		10		5304-0	0100	N4	
50	100	PVC/stainless steel		5		5304-	5100	N4	
50	300	P\/C/stainless steel		5		5304-	5300	N/A	

Zone sampler Spiralus



Guarantees precise zone sampling through all layers of the sample. The spiral arrangement of the sampling slits means that these are opened one after the other from bottom to top. In this way the lowest opening is filled first and then those above it in sequence until the complete Spiralus has been filled.

The shape of the sampling slits prevents seeds from being cut up. The Spiralus provides an excellent all-layer sample.

Applications

Spiralus is particularly suitable for sampling coarse-grained bulk goods, seeds and pellets at locations such as soil heaps, warehouses, trucks, railway goods wagons, etc.

Zone samp	Zone sampler Spiralus						
Total length cm	No. of open- ings	Weight g	Chamber volume ml	Price €	Item no.		
145	8	1400	770		5318-0145	N4	
200	8	2000	1100		5318-0200	N4	
G Accessories							
Description				Price €	Item no.		
Cleaning brush	Cleaning brushes 50 mm dia., length 1000 mm						

EasySampler | easy to empty





- Stainless steel V4A (1.4404)
- For sample opening from 52 mm Ø
- Length of the sample chamber 500 mm





It is possible to take multiple samples from bulk goods with this sampler quickly and easily.

Emptying has been greatly simplified and in this model takes place via the tip. The advantage: The sample can be emptied directly into the sample container without having to disassemble the EasySampler, in order to obtain a mixed sample for instance.

The bulk material must be free-flowing or self-flowing.



EasySampler has been developed in cooperation with an international chemical concern based in Ludwigshafen, Germany.

EasySampler				autoclave 121°
Tube Ø mm	Total length cm	Volume ml	Price €	Item no.
32	104,5	200		5360-1000 N2

All-layer-scratcher







The scratcher is a special sampler for powders and granules that do not flow freely.

The sample is transferred to the closable inner tube using a scraper.

Sliding PTFE separators are used to divide the inner tube into different zones. The separators also prevent the sample from being mixed.

- ▶ For caked bulked goods
- Zones can be varied due to moveable PTFE separators.
- Made of stainless steel V4A (1.4404) and PTFE

All-layer-s	All-layer-scratcher			3 years
Dia. mm	Length mm	Price €	Item no.	
25	1000		5351-1000	N2
Acces	sories			
Description		Price €	Item no.	
Cleaning brus 100 cm	shes 25 mm dia., le	ength	5304-0100	N4



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The scratcher has particularly been designed for sampling cohesive, caked and not free-flowing substances.

- ▶ Stainless steel V4A (1.4404)
- Electro-polished
- ▶ Total length 1000 mm

- 1. Insert the closed lance into the sample.
- 2. Open the inner tube by turning the sample chamber when at the required depth.
- 3. Turn the scratcher by 360° in the sample, the scraper directs the caked material into the sample chamber.
- 4. Close the sample chamber.

Scratcher				autoclave 2 weeks
Chamber volume ml	Flute length mm	Outer dia. with scraper mm	Price €	Item no.
5	22	25		5347-0005 N2
10	45	25		5347-0010 N2
25	110	25		5347-0025 N2

PowderProof® | mobile powder sampling





PowderProof® | mobile powder sampling















- Many uses
- ▶ Stainless steel V4A (1.4404)
- Incl. motor 12 V, two re-chargeable batteries, fast charger, clip for holding the bag and cleaning brush
- Additional augers available as accessory

- 1. The lance is inserted into the sack/container with the spiral screw rotating.
- 2. The powder or granules are immediately transported through the lance and filled directly into a sample bag or bottle at the lance outlet.
- 3. Any excess sample remaining in the lance is returned to the sack by reversing the spiral screw direction





PowderProof for horizontal ... and vertical use

PowderProof®			V4A autoclave 121°	Ϋ́
Model	Lance	Length cm Price €	Item no.	
for powders up to 2mm dia.	horizontal	30	5302-0302	N2
for powders up to 2mm dia.	vertical	60	5302-0602	N2
for powders up to 2mm dia.	vertical	90	5302-0902	N2
for powders up to 2mm dia.	vertical	120	5302-1202	N2
for granules from 2 up to 4mm dia.	horizontal	30	5302-0301	N2
for granules from 2 up to 4mm dia.	vertical	60	5302-0601	N2
for granules from 2 up to 4mm dia.	vertical	90	5302-0901	N2
for granules from 2 up to 4mm dia.	vertical	120	5302-1201	N2
G Accessories				

Accessories			
Description	Price €	Item no.	
Spiral screw for PowderProof for powders up to 2mm dia., 30 cm		5302-0312	N2
Spiral screw for PowderProof for powders up to 2mm dia., 60 cm		5302-0612	N2
Spiral screw for PowderProof for powders up to 2mm dia., 90 cm		5302-0912	N2
Spiral screw for PowderProof for powders up to 2mm dia., 120 cm		5302-1212	N2
Spiral screw for PowderProof for granules from 2 up to 4mm dia., 30 cm		5302-0311	N2
Spiral screw for PowderProof for granules from 2 up to 4mm dia., 60 cm		5302-0611	N2
Spiral screw for PowderProof for granules from 2 up to 4mm dia., 90 cm		5302-0911	N2
Spiral screw for PowderProof for granules from 2 up to 4mm dia., 120 cm		5302-1211	N2
Bag clip for PowderProof		0006-6259	N4
Transport case L x W 121 x 22,5 cm		3600-2120	N4
Sampling bottle LDPE 500 ml		0318-0500	N3
Basket for sample bottles		5302-2050	N2
Packaging bags with closure, 170x120 mm, 400 ml, 100 pieces		2348-0005	N3



Novartos | pharma zone sampler according to FDA guidelines for unit-dose sampling

The Novartos Multi has 14 sample chambers for up to seven sample zones for an all-layer sample.

Novartos was developed in cooperation with a globally-operating pharmaceuticals and chemicals corporation located in Basel, Switzerland.

- The sample inserts fit precisely and can easily be replaced.
- Inserts are available in volumes from 0 to 4.0 ml
- ► The insertion depths can easily be read from the laser-engraved depth scale
- Stainless steel V4A (1.4404/1.4571)
- Groove-free and handpolished
- ▶ 25 mm Ø

two sample chambers, for one sample zone.

Novartos Uno sampler with

Novartos double-sample



Computer optimized inserts



Please order inserts separately!

Novartos Mu	ulti	AAA a	itoclave 121°	5 vears
Model	Length mm	Price €	Item no.	
without inserts	1000		5358-1000	N4
Accessor	ries			
Description		Price €	Item no.	
Transport case L 22,5 cm	x W 121 x		3600-2120	N4

Novartos Un	0	<u> </u>	autodave 121°	5 Vears
Model	Length mm	Price €	Item no.	
without inserts	600		5358-0600	N4
without inserts	1000		5358-1001	N4
without inserts	1400		5358-1400	N4
Accessor	ries			
Description		Price €	Item no.	
Transport case L 22,5 cm	x W 121 x		3600-2120	N4

Novartos the pharma zone sampler according to FDA Guidelines Unit-Dose-Sampling. It is now possible to withdraw a double-sample without inserting the lance repeatedly into the bulk material. Mixing is mainly prevented in this way.

One significant advantage of Novartos is the easy cleaning.

Complete filling and emptying of sample chambers has been improved substantially using computer-optimised geometry. There are no crevices or dead spaces where sampling residues can collect.

- Novartos Uno for targeted sampling
- Novartos Multi enables all-layer samples

	-	•	
Accessories			
Description	Price €	Item no.	
Inserts for Novartos Multi, capacity 0,0 ml		5358-0000	N4
Inserts for Novartos Multi, capacity 0,5 ml		5358-0005	N4
Inserts for Novartos Multi, capacity 1 ml		5358-0010	N4
Inserts for Novartos Multi, capacity 1,5 ml		5358-0015	N4
Inserts for Novartos Multi, capacity 2 ml		5358-0020	N4
Inserts for Novartos Uno, capacity 0 ml		5358-0100	N4
Inserts for Novartos Uno, capacity 0,5 ml		5358-0105	N4
Inserts for Novartos Uno, capacity 1 ml		5358-0110	N4
Inserts for Novartos Uno, capacity 2 ml		5358-0120	N4
Inserts for Novartos Uno, capacity 3 ml		5358-0130	N4
Inserts for Novartos Uno, capacity 4 ml		5358-0140	N4

MicroSampler | useful for taking small samples, sterilisable





The MicroSampler has especially been designed for the sampling of small quantities of powder.

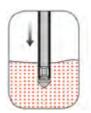
Volumes of 0.2 ml, 0.5 ml, 1.0 ml, 2.0 ml, 5.0 ml and 10 ml can be sampled easily, quickly and cleanly from different sampling depths from sacks or containers.

The tips of the MicroSampler are interchangeable. This means that tips with different volumes can be used.

- Point sampling
- Various lengths and volumes are available
- Tip can be removed, easy cleaning
- Stainless steel V4A (1.4404)
- Sterilisable
- Additional tips are available in different sizes



Please order lance and head separately!









r			autoclave 121°
Length cm	Model	Price €	Item no.
55	without head		5307-1055 N4
85	without head		5307-1085 N4
120	without head		5307-1120 N4
55	without head		5307-2055 N4
85	without head		5307-2085 N4
120	without head		5307-2120 N4
	Length cm 55 85 120 55 85	Length cm Model 55 without head 85 without head 120 without head 55 without head 85 without head	Length cmModelPrice €55without head85without head120without head55without head85without head

Accessories			
Description	Price €	Item no.	
MicroSampler heads fits tube with 12 mm dia., capacity 0	,2 ml	5307-0102	N4
MicroSampler heads fits tube with 12 mm dia., capacity 0	,5 ml	5307-0105	N4
MicroSampler heads fits tube with 12 mm dia., capacity 1	ml	5307-0110	N4
MicroSampler heads fits tube with 25 mm dia., capacity 2	ml	5307-0202	N4
MicroSampler heads fits tube with 25 mm dia., capacity 5	ml	5307-0205	N4
MicroSampler heads fits tube with 25 mm dia., capacity 1	0 ml	5307-0210	N4

PharmaPicker | for sampling very small quantities





For sampling very small quantities of highly potent, expensive or active powders for analysis. The smallest sample quantities from 0.1 ml to 2.5 ml can be collected with the PharmaPicker. By simply exchanging the volume tip in the collection cylinder for 0.1 - 1.2 ml or 1.25 - 2.5 ml, the sampling volume is modified.

The PharmaPicker has a length of 60 cm and can be extended repeatedly by 50 cm or 100 cm, maximum length 3.50 m. The PharmaPicker is available separately or as PharmaPicker Case in a handy transport box.

PharmaPicker Case consisting of: Collection cylinders in both sizes, extension rod 50 cm and 100 cm, handle, volume tips 0.4 ml, 0.6 ml, 0.8 ml, 1.0 ml, 1.2 ml, 1.4 ml, 1.8 ml, 2.0 ml, 2.3 ml and 2.5 ml (alternative sample volumes on request), transport box.

Use

- 1. Insert the required volume tip into the collection cylinder.
- 2. Insert the PharmaPicker, the disk sleeve closes the collection cylinder automatically.
- 3. The disk sleeve opens the collection cylinder at the required point, and the desired sample is collected.
- 4. Withdraw the PharmaPicker completely.
- 5. Empty the sample directly from the collection cylinder into the analysis container.





- Stainless steel V4A
- electro-polished



Please order lance and head separately!

PharmaPicker		ZV4A	autoclave 121° ears	2 weeks
Model	Price €		Item no.	
with collection cylinder for 0.10 - 1.20 ml, without head			5346-1000	N2
with collection cylinder for 1.25 - 2.50 ml, without head			5346-2000	N2
Case, completely			5346-0010	N2
Accessories				
Description		Price €	Item no.	
Volume heads for PharmaPicker, capa	city 0,10 ml		5346-1010	N2
Volume heads for PharmaPicker, capa	city 0,20 ml		5346-1020	N2
Volume heads for PharmaPicker, capa	city 0,60 ml		5346-1060	N2
Volume heads for PharmaPicker, capa	city 1,00 ml		5346-1100	N2
Volume heads for PharmaPicker, capa	city 2,00 ml		5346-2200	N2
Volume heads for PharmaPicker, capa	city 2,50 ml		5346-2250	N2
Accessories				
Description		Price €	Item no.	
Extension rod PharmaPicker 500 mm			5380-0506	N4
Extension rod PharmaPicker 1000 mn	n		5380-1006	N4
Collection cylinder for 0.10 - 1.20 ml	, without volume heads		5346-1001	N2
Collection cylinder for 1.25 - 2.50, w	ithout volume heads		5346-2001	N2
Handle PharmaPicker			0006-8113	N3

PharmaSpoon | for ultrapure sampling



PharmaSpoon for taking samples of powdery substances, intermediate products and material in the pharmaceutical industry. Special materials with excellent surface qualities must be used for this to prevent cross-contamination. Our PharmaSpoon fulfils these requirements. Made of stainless steel V4A (1.4404), surface highly polished by hand (not electro-polished!). The excellent surface properties of the PharmaSpoon provide significant advantages.

- Possible residues are even visible in the trace sector (µg sector)
- The surface is easy to clean
- The PharmaSpoon is also suitable for sterile sampling



The PharmaSpoon was developed by an internationally known pharmaceutical company in Basel, Switzerland, and its usefulness has been confirmed in actual practice.

PharmaSpo	oon			autoclave 121°
Capacity ml	Total length mm	Price €	Quantity scale Scale price from	€ Item no.
500	650		5	5324-0001 N2

StickProof





Sampler for powder in the pharma area, made of stainless steel V4A, material 1.4404. The especially slender tip can be inserted easily and deeply in order to take the sample. The conical inlet of the tip allows the collection of either very small or larger quantities. StickProof is constructed in one piece without edges, grooves or crevices for perfect and easy cleaning. The sample can be filled directly into the sampling bag from the outlet end. Fasten the bag with a sturdy clamp.



Ocrresponds to ISTA standard for seed lengths of 10 mm (wheat, oats) and 5 mm (flax, vetches).

- Surface electro-polished
- Various sample quantities up to approx. 50 ml
- ▶ Incl. clamp and 100 PE sampling bags 120 x 170 mm

StickProof				autoclave 121°	√3 Vears
Length mm	Dia. mm	Price €		Item no.	
410	25			5338-0410	N4
1100	25			5338-1100	N4
Accessories					
Description			Price €	Item no.	
StickProof clamp				5338-0001	
StickProof clamp Packaging bags with closu	ıre, 170x120 mm, 40	0 ml, 100 pieces		5338-0001 2348-0005	N3

Sampling lance Milky | acc. to EN ISO 707



Universal powder and granules sampler made of stainless steel V4A. Developed initially for milk powder samples, conforms to standards of DIN and IDF (International Dairy Federation).

The collector is inserted into bags or casks and the sample is removed using a semi-circular profile lance.



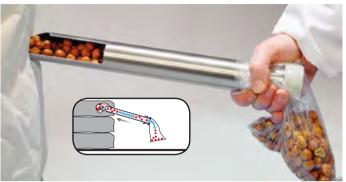
- Stainless steel V4A (1.4404)
- Insertion depth 385 mm
- Total length 480 mm
- Outer diameter approx. 28 mm

close-it and close-it food See page 88.

Sampling lan	ice Milky	Autoclave 121°	☐ DIN ♣5ars	
Volume ml	Price €	Quantity scale from	Scale price €	Item no.
150		5		5321-0300 N4

Sampler Tubus





Sampler for pourable bulk goods up to approx. 1 cm in diameter. This makes it possible, for example, to remove hazel nuts, blends of tea, grain or similar items from large sacks.

- Also for coarse-grained bulk goods
- Made of stainless steel V4A (1.4404)
- Special geometry of the tip



Corresponds to ISTA standard for seed lengths of 10 mm (wheat, oats) and 5 mm (flax, vetches).

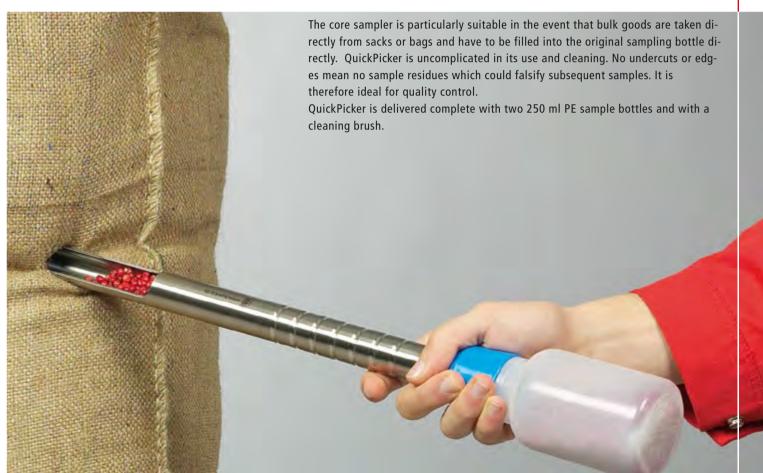
- Insert Tubus into a sack to the desired sampling depth, while keeping the collection tube closed using your hand.
- 2. When you remove your hand, the sample flows directly through the open tube into the container or sampling bag beneath it.

Sampler Tu	ıbus			autoclave 121°	TT DIN §	€5 Vears
Length cm	Dia. mm	Price €	Quantity scale from	Scale price €	Item no.	
40	40		10		5382-0040	N4
80	40		10		5382-0080	N4
Access	ories					
Description				Price €	Item no.	
close-it contro	l seals see pag	e 88				



QuickPicker | collects samples quickly and channels them directly into the sampling bottle







QuickPicker | collects samples quickly and channels them directly into the sampling bottle

- Insertion depth 30 cm, diameter 25 mm
- Made of stainless steel (1.4404) approved for use with foodstuffs or PP transparent for aggressive chemicals, scratchproof, sterilisable, cost-effective
- Removable tip, easy cleaning
- ▶ Additional sampling bottles made of PE or PP available as accessories





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QuickPicker						Ž	V4A PP autoclave 121°
Material	Insertion depth mm	Total length cm	Volume ml	Price €	Quantity scale from	Scale price €	Item no.
V4A	300	50	75		5		5322-1300 N4
PP, transparent	300	50	75		5		5322-0300 N4
Accessories							
						ъ.	
Description						Pric	te € Item no.
Description Sampling bottle LDPE, 2	250 ml					Pric	te € Item no. 0318-0250 N3
						Pric	
Sampling bottle LDPE, 2) ml					Prid	0318-0250 N3