



### 1 Measuring cylinders, class A, blue graduated

Borosilicate glass 3.3  
 Conformity certified with batch ID. To DIN EN ISO 4788, DIN 12680.  
 High form, hexagonal foot with spout.

Isolab

Capacity	Tolerance	Height	PK	Cat. No.
ml	± ml	mm		
5	0.050	115	1	9.274 170
10	0.100	135	1	9.274 171
25	0.250	160	1	9.274 172
50	0.500	195	1	9.274 173
100	0.500	240	1	9.274 174
250	1.000	320	1	9.274 175
500	2.500	380	1	9.274 176
1000	5.000	465	1	9.274 177
2000	10.000	565	1	9.274 178



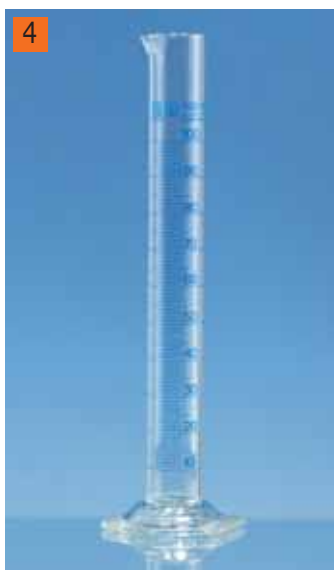
### 2 3 Measuring cylinders, DURAN®, class A, blue graduated

Inscriptions and graduations in permanent blue ceramic colour. Conformity certified. With dated batch ID. To DIN 12680 T2, calibrated to contain (In). With spout and hexagonal foot. The batch certificate is available to download from the supplier's website.

Hirschmann

Capacity	Grad.	Tolerance	Height	PK	Cat. No.
ml	ml	± ml	mm		
5	0.1	0.05	115	1	9.274 180
10	0.2	0.1	140	1	9.274 181
25	0.5	0.25	170	1	9.274 182
50	1	0.5	200	1	9.274 183
100	1	0.5	260	1	9.274 184
250	2	1.0	335	1	9.274 185
500	5	2.5	390	1	9.274 186
1000	10	5.0	470	1	9.274 187
2000	20	10.0	570	1	9.274 188

Also available with dated batch identification acc. to USP (US Pharmacopeia).



### 4 Measuring cylinders, DURAN®, class A

With spout, tall form. BLAUBRAND®. To DIN EN ISO 4788.

BRAND

Conformity certified with works certified batch number. With spout and hexagonal foot.

Graduations and inscriptions in highly contrasting blue enamel. Calibrated to contain. All BLAUBRAND® cylinders are delivered with batch number and one batch certificate per outer pack. Also available with individual works, USP, or DKD calibration certificate on request. The batch certificate is also available to download from the manufacturer's website.

Capacity	Grad.	Height	Tolerance	PK	Cat. No.
ml	ml	mm	± ml		
5	0.1	115	0.05	1	9.274 105
10	0.2	140	0.10	1	9.274 108
25	0.5	170	0.25	1	9.274 120
50	1	200	0.5	1	9.274 128
100	1	260	0.5	1	9.274 138
250	2	335	1.0	1	9.274 148
500	5	365	2.5	1	9.274 154
1000	10	465	5.0	1	9.274 162
2000	20	505	10	1	9.274 164

### 1 2 Measuring cylinders, DURAN®, class A, amber graduated

With spout, conformity certified, with dated batch identification, hexagonal glass base, with durable amber stain graduations, ring mark at main graduation points, IN (TC) calibrated, acc. to DIN EN ISO 4788. Hirschmann supplies class A or AS volumetric glassware with batch and production year indicators as standard, at no additional charge. Therefore these measuring instruments are suitable for the use in labs certified acc. to DIN EN ISO. The batch certificate is available to download from the supplier's website.

Hirschmann

Capacity	Grad.	Tolerance	Height	PK	Cat. No.
ml	ml	± ml	mm		
5	0.1	0.05	115	1	6.901 399
10	0.2	0.1	140	1	6.250 413
25	0.5	0.25	170	1	6.700 903
50	1.0	0.5	200	1	6.201 104
100	1.0	0.5	260	1	6.303 988
250	2.0	1.0	335	1	6.250 483
500	5.0	2.5	390	1	6.222 339
1000	10.0	5.0	470	1	6.200 496
2000	20.0	10.0	570	1	6.206 675



2

### 3 Measuring cylinders, class A, white graduated

**NEW!**

High form, hexagonal with spout, foot PP. Borosilicate glass 3.3. Conformity certified with batch ID. To DIN EN ISO 4788, DIN 12680.

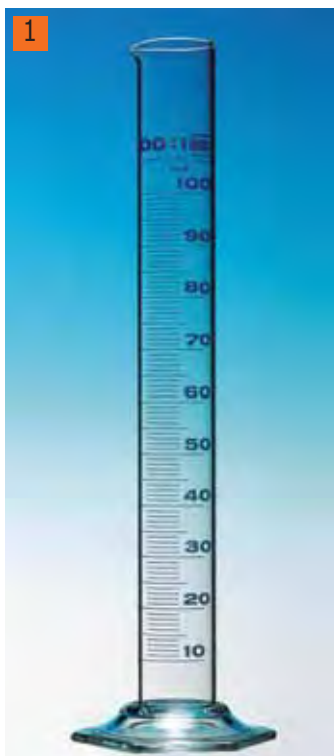
Isolab

Capacity	Tolerance	Height	PK	Cat. No.
ml	± ml	mm		
10	0.100	135	1	4.008 307
25	0.250	160	1	4.008 308
50	0.500	195	1	6.238 840
100	0.500	240	1	6.237 709
250	1.00	320	1	6.237 710
500	2.50	380	1	4.008 309
1000	5.00	465	1	4.008 310



3





### 1 Measuring cylinders, DURAN®, class B, blue graduated

With spout, tolerances better than class B, hexagonal glass base, high-contrast blue graduations with short line minor graduations, IN (TC) calibrated, acc. to DIN EN ISO 4788.

Hirschmann

Capacity	Grad.	Tolerance	Height	PK	Cat. No.
ml	ml	± ml	mm		
5	0.1	0.05	115	1	9.274 198
10	0.2	0.15	140	1	9.274 199
25	0.5	0.375	170	1	9.274 200
50	1	0.75	200	1	9.274 201
100	1	0.75	260	1	9.274 202
250	2	1.5	335	1	9.274 203
500	5	3.75	390	1	9.274 204
1000	10	7.5	470	1	9.274 206
2000	20	15.0	570	1	9.274 207



### 2 Measuring cylinders, DURAN®, class B, amber graduated

Measuring cylinders, with spout, tolerances better than class B. With hexagonal glass base, durable amber stain graduations, short line graduation, IN (TC) calibrated, acc. to DIN EN ISO 4788.

Hirschmann

Capacity	Grad.	Tolerance	Height	PK	Cat. No.
ml	ml	± ml	mm		
5	0.1	0.075	115	1	6.078 159
10	0.2	0.15	140	1	6.200 432
25	0.5	0.375	170	1	6.200 433
50	1.0	0.75	200	1	7.200 508
100	1.0	0.75	260	1	6.510 180
250	2.0	1.5	335	1	6.200 434
500	5.0	3.75	390	1	6.510 181
1000	10.0	7.5	470	1	6.510 182
2000	20.0	15.0	570	1	6.510 183
5000*	50.0	37.5	650	1	7.510 242

\* Supplementary to DIN.

We can supply this  
**manufacturer's**  
 whole  
**product range !**

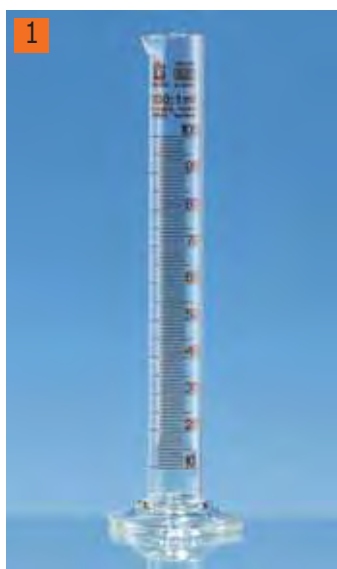


### 1 2 Measuring cylinders, DURAN®

Available with glass, or detachable plastic, feet and PP protective collars (plastic feet and collar are not autoclavable). With spout, tall form. SILBERBRAND Eterna. Class B. To DIN EN ISO 4788.  
 With spout and hexagonal foot. Graduations and inscriptions in Eterna permanent amber stain. Calibrated to contain.

BRAND

Capacity	Grad.	Height	Tolerance	Foot	PK	Cat. No.
ml	ml	mm	± ml			
5	0.1	115	0.08	Glass	1	9.274 005
10	0.2	140	0.15	Glass	1	9.274 008
25	0.5	170	0.4	Glass	1	9.274 020
50	1	200	0.8	Glass	1	9.274 028
100	1	260	0.8	Glass	1	9.274 038
250	2	335	1.5	Glass	1	9.274 048
500	5	365	4	Glass	1	9.274 054
1000	10	465	8	Glass	1	9.274 062
2000	20	505	15	Glass	1	9.274 064
10	0.2	135	0.15	PP (detachable)	1	9.274 071
25	0.5	170	0.4	PP (detachable)	1	9.274 072
50	1	190	0.8	PP (detachable)	1	9.274 073
100	1	260	0.8	PP (detachable)	1	9.274 074
250	2	335	1.5	PP (detachable)	1	9.274 075
500	5	370	4	PP (detachable)	1	9.274 076
1000	10	450	8	PP (detachable)	1	9.274 077



### 3 Measuring cylinders, DURAN®, Class B, amber graduations

Low form, with hexagonal foot and spout. With permanent amber stain graduations, calibrated to contain.

Hirschmann

Capacity	Grad.	Height	PK	Cat. No.
ml	ml	mm		
10	1	100	1	9.274 190
25	1	120	1	9.274 191
50	2	145	1	9.274 192
100	2	160	1	9.274 193
250	5	190	1	9.274 194
500	10	255	1	9.274 195
1000	20	295	1	9.274 196
2000	50	325	1	9.274 197





### 1 Measuring cylinders, DURAN®, class B, amber graduations

Low form. SILBERBRAND Eterna. DIN EN ISO 4788. With spout and hexagonal foot. Graduations and inscriptions in Eterna permanent amber stain. Calibrated to contain.

BRAND

Capacity	Grad.	Height	Tolerance	PK	Cat. No.
ml	ml	mm	± ml		
10	1	90	0.3	1	9.274 608
25	1	115	0.5	1	9.274 620
50	2	145	1	1	9.274 628
100	2	165	1	1	9.274 638
250	5	195	2	1	9.274 648
500	10	250	5	1	9.274 654
1000	20	285	10	1	9.274 662
2000	50	340	20	1	9.274 664

### Measuring cylinders with spout, plastic

Measuring cylinders made of PP withstand exposure to temperatures up to 80°C without permanent loss of tolerance. Measuring cylinders made of PMP withstand exposure to temperatures up to 121°C (autoclaving) without permanent loss of tolerance.

BRAND

Cleaning at temperatures below 60°C is recommended to preserve graduations and inscriptions on printed versions. For autoclaving, we recommend the use of cylinders with moulded graduations.



### 2 Measuring cylinders, PMP, class A+, blue graduations

Tall form. Plastibrand®. PMP. Class A+ DIN 12681 and ISO 6706. Transparent, with blue printed graduations and inscriptions. Exposure to temperatures up to 121 °C (autoclaving) will not cause permanently exceeded error limits. Cleaning at temperatures below 60°C is recommended to preserve graduations and inscriptions.

BRAND

Conformity certified. With batch number and quality certificate. The batch certificate is available to download from the manufacturer's website.

Class A+ in comparison to Class A:

Class A+ Plastibrand® measuring cylinders attain 20% narrower tolerance margins than required by DIN 12681. Class A+ tolerance is not affected even after 20 washes and 10 autoclave treatments. (DIN 12681 requires: 10 washes and 3 autoclave treatments).

Capacity	Grad.	Tolerance A+	Tolerance A	Height	PK	Cat. No.
ml	ml	± ml	± ml	mm		
10	0.2	0.08	0.10	145	1	9.274 790
25	0.5	0.20	0.25	170	1	9.274 791
50	1	0.4	0.5	200	1	9.274 792
100	1	0.4	0.5	250	1	9.274 793
250	2	0.8	1.0	315	1	9.274 794
500	5	2.0	2.5	360	1	9.274 795
1000	10	4	5	440	1	9.274 796
2000	20	8	10	535	1	9.274 797

Tolerance A+: Actual tolerance of PMP measuring cylinders by Brand.

Tolerance A: Tolerance required to meet DIN 12 681.

### 1 Measuring cylinders, PMP, class A

Tall form, with spout. Crystal clear, with moulded graduations. Ring marks at the major graduation points. Hexagonal foot, calibrated to contain (In). Tolerances of class A acc. to DIN 12681/ISO 6706. Measuring cylinders withstand exposure to temperatures up to 121°C (autoclaving) without permanent loss of tolerance.

VITLAB



Capacity	Tolerance	Grad.	Height	Dia.	PK	Cat. No.
ml	± ml	ml	mm	mm		
10	0.10	0.20	145	15	1	9.274 508
25	0.25	0.50	170	22	1	9.274 520
50	0.50	1.00	200	27	1	9.274 528
100	0.50	1.00	250	33	1	9.274 538
250	1.00	2.00	315	44	1	9.274 548
500	2.50	5.00	360	58	1	9.274 554
1000	5.00	10.00	440	69	1	9.274 562
2000	10.00	20.00	482	97	1	9.274 564

### 2 Graduated cylinders, class B, blue graduated, PP

With hexagonal foot and spout. Autoclavable.

Isolab

Capacity	Tolerance	Height	PK	Cat. No.
ml	± ml	mm		
10	0.100	135	1	9.274 080
25	0.250	160	1	9.274 081
50	0.500	195	1	9.274 082
100	0.500	240	1	9.274 083
250	1.000	320	1	9.274 084
500	2.500	380	1	9.274 085
1000	5.000	465	1	9.274 086



### 3 PP, class B, blue graduations, measuring cylinders

Tall form, with spout. Highly transparent. With moulded blue graduations. Ring marks at the major graduation points. With spout and hexagonal foot, calibrated to contain (In). Tolerances of class B acc. to DIN 12681/ ISO 6706. The measuring cylinders withstand exposure to temperatures up to 60°C without permanent loss of tolerance. Recommended cleaning temperature: up to 60°C to preserve the printing on the flasks. Food-safe.

VITLAB



Capacity	Grad.	Height	Tolerance	Dia.	PK	Cat. No.
ml	ml	mm	± ml	mm		
10	0.20	145	0.2	15	1	9.274 408
25	0.50	170	0.5	22	1	9.274 409
50	1.00	200	1.0	27	1	9.274 410
100	1.00	250	1.0	33	1	9.274 411
250	2.00	315	2.0	44	1	9.274 412
500	5.00	360	5.0	58	1	9.274 413
1000	10.00	440	10.0	69	1	9.274 414
2000	20.00	482	20.0	97	1	9.274 415

### Measuring cylinders, PP, class B, moulded graduations

High form. Highly transparent. With moulded blue graduations. Ring marks at the major graduation points. Tolerances of class B acc. to DIN 12681/ ISO 6706.

VITLAB

The measuring cylinders withstand exposure to temperatures up to 60°C without permanent loss of tolerance.

# 8. Liquid Handling

## Volumetric apparatus/Volumetric cylinders

### 1 Measuring cylinders, with spout, PP, class B, tall form

Tall form. Food-Safe.

VITLAB

Capacity	Grad.	Height	Tolerance	Dia.	PK	Cat. No.
ml	ml	mm	± ml	mm		
10	0.20	145	0.2	15	1	9.275 031
25	0.50	170	0.5	22	1	9.274 420
50	1.00	200	1.0	27	1	9.274 428
100	1.00	250	1.0	33	1	9.274 438
250	2.00	315	2.0	44	1	9.274 448
500	5.00	360	5.0	58	1	9.274 454
1000	10.00	440	10.0	69	1	9.274 462
2000	20.00	482	20.0	97	1	9.274 464

### 2 Measuring cylinders, PP, class B, moulded graduations, low form

Low form. Food-safe.

VITLAB

Capacity	Grad.	Height	Tolerance	Dia.	PK	Cat. No.
ml	ml	mm	± ml	mm		
25	0.50	122	0.50	22	1	9.274 820
50	1.00	142	1.00	27	1	9.274 828
100	2.00	163	2.00	37	1	9.274 838
250	5.00	192	5.00	51	1	9.274 848
500	10.00	218	10.00	67	1	9.274 854
1000	20.00	285	20.00	78	1	9.274 862



### 3



### 3 Measuring cylinders, class A, blue

Borosilicate glass 3.3 High form. Conformity certified, with certified batch number. PE-HD stoppers and hexagonal foot. To DIN EN ISO 4788, DIN 12680.

Isolab

Capacity	Tolerance	Height	PK	Cat. No.
ml	± ml	mm		
10	0.100	135	1	9.275 070
25	0.250	160	1	9.275 071
50	0.500	195	1	9.275 072
100	0.500	240	1	9.275 073
250	1.000	320	1	9.275 074
500	2.500	380	1	9.275 075
1000	5.000	465	1	9.275 076

### 4



### 4 Measuring cylinders, DURAN®, stoppered, glass, Class A

BLAUBRAND®. To DIN EN ISO 4788.

BRAND

Conformity certified, with works certified batch number. PP stoppers and hexagonal foot.

Graduations and inscriptions in highly contrasting blue enamel. Calibrated to contain. Height given is overall height without stopper. All BLAUBRAND® cylinders are delivered with batch number and one batch certificate is included in the manufacturer's outer pack. Individual works, USP, or DKD calibration certificates are also available on request. The batch certificate is also available to download from the supplier's website.

Capacity	Grad.	Neck	Height	PK	Cat. No.
ml	ml	NS	mm		
10	0.2	10/19	160	1	9.275 208
25	0.5	14/23	190	1	9.275 220
50	1	19/26	220	1	9.275 228
100	1	24/29	285	1	9.275 238
250	2	29/32	350	1	9.275 248
500*	5	34/35	395	1	9.275 254
1000*	10	45/40	500	1	9.275 262

\* Fitted with PE octagonal stoppers.

**1** Measuring cylinders, DURAN®, stoppered, glass, class B

SILBERBRAND Eterna. Class B. To DIN EN ISO 4788.

BRAND

With PP stoppers and hexagonal foot. Graduations and inscriptions in Eterna amber stain. Calibrated to contain. Height given is overall height without stopper

Capacity	Grad.	NS	Height	PK	Cat. No.
ml	ml		mm		
10	0.2	10/19	160	1	9.275 008
25	0.5	14/23	190	1	9.275 020
50	1.0	19/26	220	1	9.275 028
100	1.0	24/29	285	1	9.275 038
250	2.0	29/32	350	1	9.275 048
500*	5	34/35	395	1	9.275 054
1000*	10	45/40	500	1	9.275 062

\* Fitted with PE octagonal stoppers.

**2 3** Volumetric flasks, trapezoidal, DURAN®, Class A, blue graduated

Trapezoidal shape. Class A, with PP stoppers, conformity certified, with dated batch certificate and permanent, high contrasting blue enamel graduations, to DIN EN ISO 1042. The batch certificate is available to download from the supplier's website.

Hirschmann

Capacity	NS	Tolerance	Height	PK	Cat. No.
ml		± ml	mm		
1*	7/16	0.025	60	1	9.276 645
2*	7/16	0.025	70	1	9.276 646
5	7/16	0.025	70	1	9.276 647
5**	10/19	0.04	70	1	9.276 648
10	7/16	0.025	90	1	9.276 649
10**	10/19	0.04	90	1	9.276 650
20*	10/19	0.04	110	1	9.276 651
25	10/19	0.04	110	1	9.276 652
50	12/21	0.06	140	1	9.276 653

\* Supplementary to DIN.

\*\*wide neck.

Also available with dated batch identification acc. to USP (US Pharmacopeia).

**4** Volumetric flasks, DURAN®, class A, blue graduations

Trapezoidal shape. BLAUBRAND®. DIN EN ISO 1042.

BRAND

Conformity certified. With batch number. Graduations and inscriptions in highly contrasting blue enamel. Calibrated to contain. With PP stoppers. All BLAUBRAND® volumetric flasks are delivered with batch number and one batch certificate included per pack. Also available with individual works or DKD calibration certificate, please enquire. BLAUBRAND® volumetric flasks (except wide-neck flasks). Individual and batch works, USP calibration certificates are also available on request.

The batch certificate is also available to download from the supplier's website.

Capacity	NS	Tolerance	PK	Cat. No.
ml		± ml		
1	7/16	0.025	1	9.276 001
2	7/16	0.025	1	9.276 002
5	7/16	0.025	1	9.276 003
10*	10/19	0.04	1	9.276 004
20	10/19	0.04	1	9.276 006
25	10/19	0.04	1	9.276 007
50	12/21	0.06	1	9.276 008

\* Wide neck version







### 1 Volumetric flasks, Class A, blue graduated

**NEW!**
*Isolab*

Borosilicate glass 3.3  
 Conformity certified, with batch certificate.  
 With NS and PE-HD stoppers, to DIN 12664, to DIN EN ISO 1042.

Capacity	NS	Tolerance	PK	Cat. No.
ml		± ml		
5	10/19	0,025	1	9.276 600
10	10/19	0,025	1	9.276 601
20	10/19	0,040	1	9.276 602
25	10/19	0,040	1	9.276 603
25	12/21	0,040	1	4.008 300
50	12/21	0,060	1	9.276 604
50	14/23	0,060	1	9.276 605
100	12/21	0,100	1	9.276 606
100	14/23	0,100	1	9.276 607
150	14/23	0,100	1	6.241 814
200	14/23	0,150	1	9.276 608
250	14/23	0,150	1	9.276 609
300	14/23	0,200	1	4.008 301
400	19/26	18,80	1	4.008 302
500	19/26	0,250	1	9.276 610
1000	24/29	0,400	1	9.276 611
2000	29/32	0,600	1	9.276 612
5000	34/35	1,200	1	9.276 613
10000	45/40	2,000	1	9.276 614



### 2 3 Volumetric flasks. DURAN®. Class A, blue grads

PP stoppers. With dated batch certificate and conformity certificate. To DIN 12644 T1.  
 Calibrated to contain (In). Ring marks and inscriptions in permanent blue ceramic. The  
 batch certificate is available to download from the supplier's website.

*Hirschmann*

Capacity	NS	Tolerance	Height	PK	Cat. No.
ml		± ml	mm		
5	7/16	0.025	70	1	9.276 680
5	10/19**	0.04	70	1	9.276 681
10	7/16	0.025	90	1	9.276 682
10	10/19**	0.04	90	1	9.276 683
20	10/19	0.04	110	1	9.276 684
20	12/21**	0.06	105	1	9.276 679
25	10/19	0.04	110	1	9.276 685
25	12/21**	0.06	110	1	9.276 686
50	12/21	0.06	140	1	9.276 687
50	14/23**	0.08	140	1	9.276 688
100	12/21	0.1	170	1	9.276 689
100	14/23	0.1	170	1	9.276 690
200	14/23	0.15	210	1	9.276 691
250	14/23	0.15	220	1	9.276 692
500	19/26	0.25	260	1	9.276 693
1000	29/32**	0.6	300	1	9.276 694
1000	24/29	0.4	300	1	9.276 695
2000	29/32	0.6	370	1	9.276 696
5000	34/35	1.2	470	1	9.276 697
10000*	45/40	2.0	570	1	9.276 698

\* Supplementary to DIN.

\*\*Wide neck.

Also available with dated batch identification acc. to USP (US Pharmacopeia)



**1 2 Volumetric flasks, DURAN®, Class A**

With glass stoppers, conformity certificate, dated batch certificate and permanent high contrasting blue enamel graduations, to DIN EN ISO 1042. The batch certificate is available to download from the supplier's website.

Hirschmann

Capacity	NS	Tolerance	Height	PK	Cat. No.
ml		± ml	mm		
5	7/16	0.025	70	1	9.276 470
5**	10/19	0.04	70	1	9.276 471
10	7/16	0.025	90	1	9.276 472
10**	10/19	0.04	90	1	9.276 473
20*	10/19	0.04	110	1	9.276 474
20**	12/21	0.06	105	1	9.276 489
25	10/19	0.04	110	1	9.276 475
25**	12/21	0.06	110	1	9.276 476
50	12/21	0.06	140	1	9.276 477
50**	14/23	0.08	140	1	9.276 478
100	12/21	0.1	170	1	9.276 479
100	14/23	0.1	170	1	9.276 480
200	14/23	0.15	210	1	9.276 481
250	14/23	0.15	220	1	9.276 482
500	19/26	0.25	260	1	9.276 483
1000**	29/32	0.6	300	1	9.276 484
1000	24/29	0.4	300	1	9.276 485
2000	29/32	0.6	370	1	9.276 486
5000*	34/35	1.2	470	1	9.276 487
10000*	45/40	2	570	1	9.276 488

\* Supplementary to DIN.

\*\*wide neck.

Also available with dated batch identification acc. to USP (US Pharmacopeia).



**3 Volumetric flasks, DURAN®, class A**

**NEW!**

BLAUBRAND®, Class A. DIN EN ISO 1042.

BRAND

Conformity certified with works certified batch number. Ring marks and inscriptions in highly contrasting blue enamel. Calibrated to contain PP stoppers. All BLAUBRAND® volumetric flasks are delivered with batch number and one batch certificate included per pack. Also available with individual works or DKD calibration certificate, please enquire. BLAUBRAND® volumetric flasks (except wide neck flasks) are also available with individual and batch USP certification.

The batch certificate is also available to download from the manufacturer's website.

Capacity	NS	Tolerance	PK	Cat. No.
ml		± ml		
5*	10/19	0.04	1	9.276 438
10*	10/19	0.04	1	9.276 443
20	10/19	0.04	1	9.276 446
20*	12/21	0.06	1	6.239 438
25	10/19	0.04	1	9.276 447
25*	12/21	0.06	1	4.000 074
50	12/21	0.06	1	9.276 448
50*	14/23	0.10	1	9.276 456
100	12/21	0.10	1	9.276 449
100	14/23	0.10	1	9.276 457
200	14/23	0.15	1	9.276 450
250	14/23	0.15	1	9.276 451
500	19/26	0.25	1	9.276 452
1000	24/29	0.40	1	9.276 453
2000	29/32	0.60	1	9.276 454
5000	34/35	1.20	1	9.276 455
10000**	45/40	2.0	1	9.276 436

1\*wide neck version

\*\*Supplementary to DIN.

We can supply this  
manufacturer's  
whole  
product range !





### 1 2 Volumetric flasks, class A, amber graduations, DURAN®

With NS-ground neck and poly stopper. Conformity certified, with dated batch identification and durable amber stain graduation and inscriptions. IN (TC) calibrated, acc. to DIN EN ISO 1042. The batch certificate is available to download from the supplier's website.

Hirschmann

Capacity ml	NS	Tolerance ± ml	Height ± 5mm	PK	Cat. No.
5	10/19*	0.04	70	1	9.276 758
10	10/19*	0.04	90	1	9.276 759
20	10/19	0.04	110	1	9.276 760
25	10/19	0.04	110	1	9.276 761
50	12/21	0.06	140	1	9.276 762
50	14/23*	0.08	140	1	9.276 763
100	12/21	0.1	170	1	9.276 764
100	14/23	0.1	170	1	9.276 765
200	14/23	0.15	210	1	9.276 766
250	14/23	0.15	220	1	9.276 767
500	19/26	0.25	260	1	9.276 768
1000	24/29	0.4	300	1	9.276 769
2000	29/32	0.6	370	1	9.276 770

\* wide neck

Also available with dated batch identification acc. to USP (US Pharmacopeia)



### 3 Volumetric flasks, DURAN®, class A

**NEW!**

BRAND

BLAUBRAND® Eterna. To DIN EN ISO 1042.

Conformity certified. With batch number. Graduation and inscriptions in Eterna amber stain. Calibrated to contain PP stoppers. All BLAUBRAND® volumetric flasks are delivered with batch number and one batch certificate included per pack. Also available with individual works or DKD calibration certificate, please enquire. BLAUBRAND® volumetric flasks (except wide-neck flasks) are also available with individual and batch USP certification. The batch certificate is also available to download from the manufacturer's website.

Capacity ml	NS	Tolerance ± ml	PK	Cat. No.
5*	10/19	0.04	1	9.276 260
10*	10/19	0.04	1	9.276 261
20	10/19	0.04	1	9.276 262
20*	12/21	0.06	1	4.007 850
25	10/19	0.04	1	4.007 849
25*	12/21	0.06	1	9.276 263
50	12/21	0.06	1	9.276 264
50*	14/23	0.10	1	9.276 265
100	14/23	0.10	1	9.276 270
200	14/23	0.15	1	9.276 271
250	14/23	0.15	1	9.276 272
500	19/26	0.25	1	9.276 273
1000	24/29	0.4	1	9.276 274
2000	29/32	0.6	1	9.276 275

\*Wide neck version



### 4 Volumetric flasks, Class A, white graduated

**NEW!**

Isolab

Amber Borosilicate glass 3.3 with PE-HD stoppers, conformity certified, with batch certificate and white enamel graduations. To DIN EN ISO 1042, to DIN 12644.

Capacity ml	NS	Tolerance ± ml	PK	Cat. No.
5	10/19	0,025	1	9.276 620
10	10/19	0,025	1	9.276 621
20	10/19	0,040	1	9.276 622
25	10/19	0,040	1	9.276 623
25	12/21	0,040	1	4.008 303
50	12/21	0,060	1	9.276 624
50	14/23	0,060	1	9.276 625
100	12/21	0,100	1	9.276 626
100	14/23	0,100	1	9.276 627
150	14/23	0,150	1	7.910 063
200	14/23	0,150	1	9.276 628
250	14/23	0,150	1	9.276 629
300	14/23	0,200	1	4.008 304
400	19/26	0,200	1	4.008 305
500	19/26	0,250	1	9.276 630
1000	24/29	0,400	1	9.276 631
2000	29/32	0,600	1	4.008 306

### 1 2 Volumetric flasks, DURAN®, class A

Amber, with PP stoppers, conformity certified, with dated batch certificate and permanent white enamel graduations, to DIN 12644 T1. The batch certificate is available to download from the supplier's website.

Hirschmann

Capacity	Tolerance	NS	Height	PK	Cat. No.
ml	± ml		mm		
5	0.025	7/16	70	1	9.276 699
5*	0.04	10/19	70	1	9.276 700
10	0.025	7/16	90	1	9.276 701
10*	0.04	10/19	90	1	9.276 702
20	0.04	10/19	110	1	9.276 703
25	0.04	10/19	110	1	9.276 704
25*	0.06	12/21	110	1	9.276 710
50	0.06	12/21	140	1	9.276 705
50*	0.08	14/23	140	1	9.276 713
100	0.1	12/21	170	1	9.276 706
100	0.1	14/23	170	1	9.276 714
200	0.15	14/23	210	1	9.276 707
250	0.15	14/23	220	1	9.276 708
500	0.25	19/26	260	1	9.276 709
1000	0.4	24/29	300	1	9.276 711
2000	0.6	29/32	370	1	9.276 712

\* Wide neck.

Also available with dated batch identification acc. to USP (US Pharmacopeia).



### 3 4 Volumetric flasks, DURAN®, glass, Class A

Amber flask, with amber glass stoppers, conformity certified, with dated batch certificate and white enamel graduations, DIN EN ISO 1042. The batch certificate is available to download from the supplier's website.

Hirschmann

Capacity	NS	Tolerance	Height	PK	Cat. No.
ml		± ml	mm		
5	7/16	0.025	70	1	9.276 500
5**	10/19	0.04	70	1	9.276 501
10	7/16	0.025	90	1	9.276 502
10**	10/19	0.04	90	1	9.276 503
20*	10/19	0.04	110	1	9.276 504
25	10/19	0.04	110	1	9.276 505
50	12/21	0.06	140	1	9.276 506
50**	14/23	0.08	140	1	9.276 507
100	12/21	0.1	170	1	9.276 508
100	14/23	0.1	170	1	9.276 509
200	14/23	0.15	210	1	9.276 510
250	14/23	0.15	220	1	9.276 511
500	19/26	0.25	260	1	9.276 512
1000	24/29	0.4	300	1	9.276 513
2000	29/32	0.6	370	1	9.276 514

\* Supplementary to DIN.

\*\*Wide neck.

Also available with dated batch identification acc. to USP (US Pharmacopeia).





### 1 Volumetric flasks, DURAN®, class A, PUR Plastic coated, blue graduations

BLAUBRAND® PURprotect, conformity certified. DURAN®. DIN EN ISO 1042. Calibrated to contain (TC, In). Ring mark and inscriptions in high contrast blue enamel. With PP stopper. The plain and high quality PUR coating envelops the volumetric flasks like a protective skin. In the event of breakage, the safety coating helps contain the glass fragments. The light blue coating facilitates optical distinction. Suitable for dishwashers (cleaning up to max. 95°C). All BLAUBRAND® volumetric flasks are supplied with a batch number and an accompanying batch certificate within the outer packaging. They are also available with individual works, or DKD calibration certificate on request. With the exception of the wide neck version, the graduated flasks are also available with individual USP and batch certificates. Further sizes available to special order/production on request. The batch certificate is also available to download from the manufacturers website.

BRAND

Capacity ml	NS	Tolerance ± ml	PK	Cat. No.
50*	14/23	0.10	1	9.276 460
100	14/23	0.10	1	9.276 461
200	14/23	0.15	1	9.276 462
250	14/23	0.15	1	9.276 463
500	19/26	0.25	1	9.276 464
1000	24/29	0.4	1	9.276 465

\*wide mouth  
Further sizes available on request.



### 2 Volumetric flasks, Class A, blue graduated

**NEW!**

Borosilicate glass 3.3  
Conformity certified, with batch certificate.  
Trapezoidal. With NS and PE-HD stoppers, to DIN 12664, to DIN EN ISO 1042.

Isolab

Capacity ml	NS	Tolerance ± ml	PK	Cat. No.
1	07/16	0.025	1	6.236 426
2	07/16	0.025	1	6.237 705
3	07/16	0.025	1	7.930 290
4	07/16	0.025	1	7.930 291



### 3 Volumetric flasks, DURAN®, with beaded rim, class A, blue graduated

Conformity certified, with dated batch identification, IN (TC) calibrated, acc. to DIN EN ISO 1042. The batch certificate is available to download from the supplier's website.

Hirschmann

Capacity ml	Tolerance ± ml	Height mm	PK	Cat. No.
5	0.025	70	1	9.276 715
10	0.025	90	1	9.276 716
20	0.04	110	1	9.276 717
25	0.04	110	1	9.276 718
50	0.06	140	1	9.276 719
100	0.1	170	1	9.276 720
200	0.15	210	1	9.276 733
250	0.15	220	1	9.276 734
500	0.25	260	1	9.276 735
1000	0.4	300	1	9.276 736
2000	0.6	370	1	9.276 737
5000	1.2	470	1	9.276 738
10000*	2.0	570	1	9.276 739

\* additional to DIN  
Also available with dated batch identification acc. to USP (US Pharmacopeia).

### 1 Volumetric flasks, DURAN®, Class B.

SILBERBRAND. To DIN EN ISO 1042. Graduation and inscriptions in highly contrasting white enamel. With PP stoppers.

BRAND

Capacity ml	NS	Tolerance ± ml	PK	Cat. No.
10*	10/19	0.06	1	9.276 243
20	10/19	0.06	1	9.276 246
25	10/19	0.06	1	9.276 247
50	12/21	0.09	1	9.276 248
100	12/21	0.15	1	9.276 249
200	14/23	0.25	1	9.276 250
250	14/23	0.25	1	9.276 251
500	19/26	0.40	1	9.276 252
1000	24/29	0.60	1	9.276 253
2000	29/32	0.90	1	9.276 254
5000	34/35	1.80	1	9.276 255

\* Wide neck



### 2 Volumetric flasks for determination of oil content, SILBERBRAND, Boro 3.3

DIN 51 368.

BRAND

For determination of oil content in aqueous oil emulsions (e.g. drilling oil). With NS19/26, hollow glass stoppers. Graduations and inscriptions in highly contrasting white enamel. Capacity 100 ml, tolerance ±0.2 ml. Calibrated to contain.

Subdivisions: 0 to 5 ml : 0.1 ml, tolerance: ±0.1 ml.  
 Subdivisions: 5 to 30 ml : 0.5 ml, tolerance: ±0.5 ml.

Capacity ml	PK	Cat. No.
100	1	9.276 880



### 3 Volumetric flasks for sugar tests, Boro 3.3, class B

For sugar tests in the style of Kohlrausch. SILBERBRAND.

BRAND

Tolerance equivalent to class B. Ring marks and inscriptions in highly contrasting white enamel. Calibrated to contain.

Capacity ml	Tolerance ± ml	PK	Cat. No.
100	0.2	1	9.276 885
200	0.3	1	9.276 887




**1**

### 1 Volumetric flasks, PFA, class A

PFA. Highly transparent. With individually adjusted graduation. Class A tolerances. to DIN EN ISO 1042. With certificate. With PFA screwthread cap. Provides hermetic seal and optimal protection against contamination from the outside environment. High temperature and chemical resistance. Withstand exposure to temperatures up to 121°C (autoclaving) without permanent loss of tolerance. Recommended cleaning temperature: up to 60°C to preserve printing on the flasks.

VITLAB

Capacity ml	Height mm	Neck thread GL	Tolerance ± ml	PK	Cat. No.
10	90	18	0.04	1	9.276 919
25	115	18	0.04	1	9.276 920
50	150	18	0.06	1	9.276 921
100	180	18	0.10	1	9.276 922
250	235	25	0.15	1	9.276 923
500	270	25	0.25	1	9.276 924


**2**

### 2 Volumetric flasks, PMP, class A

Crystal clear PMP. Class A tolerances. to DIN EN ISO 1042. With individually adjusted, red printed graduation and inscriptions, PP standard ground joint stoppers, with printed batch number and conformity certificate.

VITLAB

The volumetric flasks can withstand exposure to temperatures up to 121°C (autoclaving) without permanent loss of tolerance. Recommended cleaning temperature: up to 60°C to preserve printing on the flasks.

Capacity ml	Tolerance ± ml	Height mm	Stopper NS	PK	Cat. No.
10	0.04	90	10 / 19	1	9.276 949
25	0.04	115	10 / 19	1	9.276 950
50	0.06	150	12 / 21	1	9.276 951
100	0.10	180	14 / 23	1	9.276 952
250	0.15	235	19 / 26	1	9.276 953
500	0.25	270	19 / 26	1	9.276 954
1000	0.40	310	24 / 29	1	9.276 955


**3**

### 3 Volumetric flasks, plastic, Class B

To DIN EN ISO 1042, with individually adjusted, blue printed graduation and inscriptions, with PP standard ground joint stoppers. Autoclavable.

**NEW!**

Isolab

Capacity ml	Tolerance ± ml	NS	PK	Cat. No.
25	0.08	10/19	1	9.276 590
50	0.12	12/21	1	9.276 591
100	0.20	12/21	1	9.276 592
250	0.30	14/23	1	9.276 593
500	0.50	19/26	1	9.276 594
1000	0.60	24/29	1	9.276 595

We can supply this  
 manufacturer's  
 whole  
 product range !

partner of the  
**LLG**  
 Lab Logistics Group

**VITLAB**  
 Competence in Labware

### 1 Volumetric flasks, plastic, Class B

Highly transparent PP. Class B tolerances . to DIN EN ISO 1042. With individually adjusted, blue printed graduation and inscriptions, with PP standard ground joint stoppers.

VITLAB

The volumetric flasks can withstand exposure to temperatures up to 60°C without permanent loss of tolerance. Recommended cleaning temperature: up to 60°C to preserve printing on the flasks.

Capacity ml	Height mm	NS	Tolerance ± ml	PK	Cat. No.
10	90	10 / 19	0.08	1	9.276 818
25	115	10 / 19	0.08	1	9.276 820
50	150	12 / 21	0.12	1	9.276 828
100	180	14 / 23	0.20	1	9.276 838
250	235	19 / 26	0.30	1	9.276 848
500	270	19 / 26	0.50	1	9.276 854
1000	310	24 / 29	0.80	1	9.276 862



### 2 Volumetric flasks with NS stoppers, PMP, class A, opaque

**NEW!**

UV-absorbent, for storage of photosensitive agents.

VITLAB

Semi-transparent, with natural polypropylene NS stoppers and individually adjusted ring mark. Class A tolerance according to DIN EN ISO 1042. With printed batch number and conformity certificate.

Capacity ml	Tolerance ± ml	Height mm	NS	PK	Cat. No.
10	0.04	90	10/19	1	9.276 970
25	0.04	115	10/19	1	9.276 971
50	0.06	150	12/21	1	9.276 972
100	0.10	180	14/23	1	9.276 973
250	0.15	235	19/26	1	9.276 974
500	0.25	270	19/26	1	9.276 975
1000	0.40	310	24/29	1	9.276 976



### 3 Volumetric flasks with screw cap, PMP, class A, opaque

UV-absorbent, for storage of photosensitive agents.

VITLAB

Semi-transparent, with coloured screw cap (PP) and individually adjusted ring mark. Class A tolerance according to DIN EN ISO 1042. With printed batch number and conformity certificate.

Capacity ml	Tolerance ± ml	Height mm	Thread	PK	Cat. No.
10	0,04	90	GL 18	1	9.276 940
25	0,04	115	GL 18	1	9.276 941
50	0,06	150	GL 18	1	9.276 942
100	0,10	180	GL 18	1	9.276 943
250	0,15	235	GL 25	1	9.276 944
500	0,25	270	GL 25	1	9.276 945
1000	0,40	310	GL 32	1	9.276 946



### 4 Tilt pipettes (bottle top dispensing pipettes)

Bottle top dispensing pipettes. Made of DURAN® tubing. With inscriptions in green enamel. Calibrated to deliver. With or without 1000ml soda-glass reservoir with NS29/32 joint. Height given is overall height with reservoir.

Capacity ml	Height mm	Description	PK	Cat. No.
5	270	with reservoir	1	9.277 005
10	270	with reservoir	1	9.277 010
20	280	with reservoir	1	9.277 020
25	280	with reservoir	1	9.277 025
50	280	with reservoir	1	9.277 050
100	280	with reservoir	1	9.277 100
5	-	without reservoir	1	9.277 105
10	-	without reservoir	1	9.277 110
20	-	without reservoir	1	9.277 120
25	-	without reservoir	1	9.277 125
50	-	without reservoir	1	9.277 150

