

All calibration standards are always subject to our final confirmation since the values may vary due to new lots.

Alle Kalibrationsstandards müssen von uns endgültig bestätigt werden, da die Werte der Chargen variieren können.

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Calibration Standards / Kalibrationsstandards

92511-xxxx – Coal / Kohle

50 g



S-Range / S-Bereich	S %	Item number / Artikelnummer	Lot
0.1 - 0.5% S	0.27	92511-3010	20131202A
0.5 - 1.0% S	0.72	92511-3020	20131217A
1.0 - 1.5% S	1.23	92511-3030	20131211B
1.5 - 2.0% S	1.76	92511-3040	20130429A
2.0 - 3.0% S	2.45	92511-3050	20131120C
3.0 - 4.0% S	3.36	92511-3060	20130308F
4.0 - 5.0% S	4.67	92511-3070	20130429B
> 5.0% S	10.1	92511-3080	20130429C

92550-xxxx – Coal premium / Kohle Premium

50 g

NEW

S-Range / S-Bereich	S %	C %	H %	Ash %	Volatile %	Item number / Artikelnummer	Lot
< 1% S	0.84	68.65	3.94	20.57	23.01	92550-3020	
1.0 - 3.0% S	1.91	67.68	3.97	17.98	26.33	92550-3040	
> 3% S	5.06	64.22	4.49	12.03	38.22	92550-3060	

92560-xxxx – Coke premium / Koks Premium

50 g

NEW

S-Range / S-Bereich	S %	C %	H %	Volatile %	Item number / Artikelnummer	Lot
< 1% S	0.76	87.26	3.94	0.42	92560-3010	

92400-xxxx/yyy – Steel, chips / Stahlspäne
 100 g


C-Range / C-Bereich	C %	S %	Item number / Artikelnummer	Lot	
< 0.001 % C	0.0004	0.0017	92400-3010		611E
0.001 - 0.01% C	0.0013	0.0011	92400-3020	/001	20130604A
	0.0012	0.0015	92400-3020	/002	20130604B
0.01 – 0.05% C			92400-3030		not available
0.05 - 0.1% C	0.077	0.297	92400-3040	/005	20131106A
	0.079	0.293	92400-3040	/004	20131209A
0.1 - 0.2% C	0.154	0.026	92400-3050	/001	20130604D
	0.109	0.0243	92400-3050	/002	20130604E
	0.163	0.013	92400-3050	/003	20130604F
	0.127	0.0145	92400-3050	/005	20130606A
	0.177	0.0018	92400-3050	/008	20130607D
	0.170	0.062	92400-3050	/009	20130611A
	0.156	0.0149	92400-3050	/010	20130611C
	0.155	0.023	92400-3050	/011	20130607H
0.2 - 0.5% C	0.323	0.0239	92400-3060	/001	20130605B
	0.405	0.062	92400-3060	/002	20130607G
	0.372	0.0078	92400-3060	/003	20130611B
	0.478	0.184	92400-3060	/004	20130611F
	0.352	0.0094	92400-3060	/008	20131120A
0.5 - 1.0% C	0.975	0.0094	92400-3070	/002	20131210A
1.0 - 2.0% C	1.47	0.0181	92400-3080	/001	20130715A
2.0 - 3.0% C	2.12	0.014	92400-3090	/001	20130611M
	2.13	0.014	92400-3090	/002	20131204A
3.0 - 5.0% C	3.39	0.044	92400-3100	/005	20131203A

92400-xxxx/yyy – Steel, chips / Stahlspäne
 150 g

NEW

C-Range / C-Bereich	C %	S %	Item number / Artikelnummer	Lot	
< 0.001 % C			92400-3010		not available
0.001 - 0.01% C			92400-3020		not available
0.01 – 0.05% C	0.0137	0.027	92400-3030	/003	82206
0.05 - 0.1% C			92400-3040		not available
0.1 - 0.2% C	0.147	0.027	92400-3050	/012	711A
0.2 - 0.5% C			92400-3060		not available
0.5 - 1.0% C	0.506	0.078	92400-3070	/003	313A
1.0 - 2.0% C			92400-3080		not available
2.0 - 3.0% C	2.02	0.018	92400-3090	/003	1111C
3.0 - 5.0% C	4.23	0.014	92400-3100	/006	062200

91100-xxxx – Steel, pins / Stahl, Pins (N)

100 pins – 1 g each / 100 Pins á 1 g



N-Range / N-Bereich	N ppm	O ppm	Item number / Artikelnummer	Lot
25 – 40 ppm N	27	12	91100-1001	20130715B
30 – 70 ppm N	58	50	91100-1002	1212F
150 – 250 ppm N	210	57	91100-1003	1111A
50 – 80 ppm N	65	148	91100-1004	113B
300 – 600 ppm N	530	45	91100-1005	611C
80 – 150 ppm N	118	244	91100-1006	172614409

91400-xxxx – Steel, pins / Stahl, Pins (H)

100 pins – 1 g each / 100 Pins á 1 g

H-Range / H-Bereich	H ppm	Item number / Artikelnummer	Lot
0.5 – 1 ppm H	0.83	91400-1001	512B
1.5 – 4 ppm H	3.4	91400-1002	T39074C10

91110 – Steel, balls/ Stahl, Kugeln

100 balls, gold plated – 1 g each /

100 Kugeln mit Goldbeschichtung á 1 g

H ppm	Item number / Artikelnummer	Lot
1.90	91110	20130729A

92811-xxxx – Cement / Zement

100 g

SO ₃ -Range / SO ₃ -Bereich	Item number / Artikelnummer	Lot
0 – 2.0% S	92811-3010	20130422A
2.0 – 4.0% S	92811-3020	20130626A

91000/yyy – Copper, pins / Kupfer, Pins
100 pins – 1 g each / 100 Pins á 1 g



O ppm	S ppm	Item number / Artikelnummer	Lot
10.5		91000 /003	20130207A
176	5	91000 /047	
185	9	91000 /048	
198		91000 /049	20130716A
10		91000 /050	20130716B
500		91000 /051	20130718A
729		91000 /052	20130724A

91000-xxxx – Copper, pins / Kupfer, Pins
100 pins – 1 g each / 100 Pins á 1 g



O ppm	S ppm	Item number / Artikelnummer	Lot
489	6	91000-1001	20130711B
323	11	91000-1002	20130711A

91205-xxxx – Titanium / Titan
100 pins – 0.1 g each / 100 Pins á 0,1 g

H-Range / H-Bereich	H ppm	O ppm	N ppm	Item number / Artikelnummer	Lot
10 – 35 ppm H	12	509	101	91205-1001	T115013410
20 – 70 ppm H	28	1320	49	91205-1002	211C
30– 90 ppm H	61	1555	101	91205-1003	711B
60 – 120 ppm H	90	1750	38	91205-1004	212B
150 – 250 ppm H	200	1610	153	91205-1005	612A

90860/yyy – Glycerine / Glycerin

100 ml

C %	H %	Item number / Artikelnummer	Lot
40.5	8.7	90860	

90815 – Carbonate / Carbonat

50 g

C %	CO ₂ %	Item number / Artikelnummer	Lot
2.69	9.90	90815 /025	
3.22	11.80	90815 /029	
5.81	21.30	90815 /055	

Calibration Materials / Kalibrationsmaterialien

90700-xxxx – Calcium oxalate / Calciumoxalat
50 g

NEW

°C	Weight loss %	Item number / Artikelnummer	Lot
200 °C	12.20 as H ₂ O	90700-1040	
450 °C	18.97 as CO		
850 °C	29.82 as CO ₂		

90710-xxxx – EDTA / EDTA
50 g

NEW

C %	H %	N %	Item number / Artikelnummer	Lot
40.98	5.51	9.57	90710-3010	

90800 – Graphite / Graphit
50 g

C %	Item number / Artikelnummer	Lot
100	90800	

90810 – Calcium carbonate / Calciumcarbonat
100 g

C %	CO ₂ %	Item number / Artikelnummer	Lot
12	43.97	90810	

90821 – Barium sulphate / Bariumsulfat

50 g

S %	Item number / Artikelnummer	Lot
13.70	90821	201305174A

90823 – Calcium sulphate hemihydrate / Calciumsulfat Hemihydrat

30 g

H ₂ O %	Item number / Artikelnummer	Lot
6.05	90823	20131211A

90824 – Sulfanilic acid / Sulfanilsäure

50 g

C %	H %	S %	Item number / Artikelnummer	Lot
41.57	4.04	18.48	90824	20131205A

90812 – Limestone / Kalkstein

40 g

C %	CO ₂ %	S %	SO ₃ %	H ₂ O %	Item number / Artikelnummer	Lot
-	43.5	-	-	-	90812	20140127A

90812-xxxx – Limestone / Kalkstein

25 g



S %	C %	Item number / Artikelnummer	Lot
0.044	11.92	90812-3001	
0.418	11.72	90812-3002	

90816-xxxx – Tungsten carbide / Wolframcarbid
50 g

NEW

C %	S %	Item number / Artikelnummer	Lot
6.15	0.0041	90816-3001	