

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	0.35	92511-3010		700715
0.5 - 1.0% S	0.67	92511-3020		702315
1.0 - 1.5% S	1.41	92511-3030		705114
1.5 - 2.0% S	1.91	92511-3040		726411
2.0 - 3.0% S	2.37	92511-3050		707812
3.0 - 4.0% S	3.79	92511-3060		709714
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	0.79	66.99	3.85	22.42	21.60	92550-3020		776714
1.0 - 3.0% S	1.91	67.68	3.97	17.98	26.33	92550-3040		781411
> 3% S	6.18	60.65	4.38	12.53	38.96	92550-3060		782614

### 92560-xxxx – Coke premium / Koks Premium 50 g

**NEW**

S-Range / S-Bereich	S %	C %	H %	Volatile %	Item number / Artikelnummer	Lot	
< 1% S	0.77	88.69	<0.1	0.47	92560-3010		772914

**92400-30xx/yyy – Steel, chips / Stahlspäne**  
**92400-30xx/yyy – Cast Iron, chips / Gusseisenspäne**



100 g / **150 g** **NEW**

C-Range / C-Bereich	Weight / Gewicht	C %	S %	Item number / Artikelnummer	Lot
<b>Steel, chips / Stahlspäne</b>					
< 0.001 % C	100 g	0.0004	0.0017	<b>92400-3010</b>	/001 611E
0.001 - 0.01% C	100 g	0.0012	0.0015	<b>92400-3020</b>	/002 20130604B
	<b>150 g</b>	0.0029	0.0043	<b>92400-3020</b>	/003 312A
0.01 – 0.05% C	<b>150 g</b>	0.0137	0.027	<b>92400-3030</b>	/003 82206
0.05 – 0.1% C	<b>150 g</b>	0.054	0.010	<b>92400-3040</b>	/008 615B
0.1-0.2% C	100 g	0.109	0.0243	<b>92400-3050</b>	/002 20130604E
	100 g	0.127	0.0145	<b>92400-3050</b>	/005 20130606A
	<b>150 g</b>	0.147	0.027	<b>92400-3050</b>	/012 711A
	100 g	0.155	0.023	<b>92400-3050</b>	/011 20130607H
	100 g	0.156	0.0149	<b>92400-3050</b>	/010 20130611C
	100 g	0.163	0.013	<b>92400-3050</b>	/003 20130604F
	<b>150 g</b>	0.182	0.037	<b>92400-3050</b>	/013 814F
0.2 - 0.5% C	100 g	0.352	0.0094	<b>92400-3060</b>	/008 20131120A
	<b>150 g</b>	0.470	0.021	<b>92400-3060</b>	/009 120308
	<b>150 g</b>	0.482	0.020	<b>92400-3060</b>	/010 914A
0.5 – 1.0% C	<b>150 g</b>	0.929	0.006	<b>92400-3070</b>	/005 1014E
	100 g	0.975	0.0094	<b>92400-3070</b>	/002 20131210A
<b>Cast Iron, chips / Gusseisenspäne</b>					
2.0 - 3.0% C	<b>150 g</b>	1.99	0.0162	<b>92400-3090</b>	/004 514D
	<b>150 g</b>	2.02	0.018	<b>92400-3090</b>	/003 1111C
	100 g	2.13	0.014	<b>92400-3090</b>	/002 20131204A
3.0 - 5.0% C	<b>150 g</b>	4.20	0.023	<b>92400-3100</b>	/009 1014C
	<b>150 g</b>	4.02	0.026	<b>92400-3100</b>	/007 314C

**NEW**

**454 g**

**Wrought Iron (high purity) / Eisenzuschlag (hohe Reinheit)**

C-Range / C-Bereich	Weight / Gewicht	C %	S %	Item number / Artikelnummer	Lot
< 0.001 % C	<b>454 g</b>	0.0006	0.0017	<b>88600-0013</b>	814H

**92400-40xx/yyy – Steel, chips / Stahlspäne**  
150 g

**NEW**

S-Range / S-Bereich	C %	S %	Item number / Artikelnummer	Lot
ca. 0.1 % S	0.179	0.104	<b>92400-4010</b>	1013D
ca. 0.3 % S	0.462	0.270	<b>92400-4020</b>	215C

**91900-xxxx – Ore / Erz**  
30 g

**NEW**

S-Range / S-Bereich	C %	S %	Item number / Artikelnummer	Lot
ca. 1.4 % S	1.38	1.44	<b>91900-1001</b>	514A
ca. 4.0 % S	3.75	3.82	<b>91900-1002</b>	615D

**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
20 – 40 ppm N	20	6	<b>91100-1001</b>	815D
30 – 70 ppm N	66	92	<b>91100-1002</b>	415F
150 – 250 ppm N	210	44	<b>91100-1003</b>	515A
50 – 80 ppm N	57	112	<b>91100-1004</b>	914F
300 – 600 ppm N	540	39	<b>91100-1005</b>	1214B
80 – 150 ppm N	121	238	<b>91100-1006</b>	214B
70-130 ppm N	104	98	<b>91100-1007</b>	1014A

**91400-xxxx – Steel, pins / Stahl, Pins (H)** (for / für ONH 2000 / OH 900)  
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	0.80	<b>91400-1001</b>	114A
1.5 – 4 ppm H	2.3	<b>91400-1002</b>	415C
> 5 ppm H	6.0	<b>91400-1003</b>	812C

**91110 – Steel, balls/ Stahl, Kugeln** (for / für H 500)  
100 balls, gold plated – 1 g each /  
100 Kugeln mit Goldbeschichtung á 1 g

H ppm	Item number / Artikelnummer	Lot
1.90	<b>91110</b>	20130729A

**92811-xxxx – Cement / Zement**  
100 g

SO <sub>3</sub> -Range / SO <sub>3</sub> -Bereich	Item number / Artikelnummer	Lot
<b>0 – 2.0% S</b>	<b>92811-3010</b>	20130422A
<b>2.0 – 4.0% S</b>	<b>92811-3020</b>	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
185		<b>91000 /048</b>	20150727
619		<b>91000 /051</b>	201506060



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

O ppm	S ppm	Item number / Artikelnummer	Lot
499	11	<b>91000-1001</b>	715B
323	11	<b>91000-1002</b>	534985510
7	13	<b>91000-1004</b>	113C



**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	11	530	101	<b>91205-1001</b>	114C
20 – 70 ppm H	52	1070	52	<b>91205-1002</b>	515B
30– 90 ppm H	63	1040	82	<b>91205-1003</b>	814D
60 – 120 ppm H	105	1353	85	<b>91205-1004</b>	415D
150 – 250 ppm H	192	1040	64	<b>91205-1005</b>	614E

**90860/yyy – Glycerine / Glycerin**  
100 ml

C %	H %	Item number / Artikelnummer	Lot
40.5	8.7	<b>90860</b>	/

**90700-1040 – Calcium oxalate / Calciumoxalat**  
50 g

**NEW**

°C	Weight loss %	Item number / Artikelnummer	Lot
200 °C	12.21 as H <sub>2</sub> O	<b>90700-1040</b>	Q28B055
450 °C	18.97 as CO		
850 °C	29.82 as CO <sub>2</sub>		

**90710-xxxx – EDTA / EDTA**  
50 g

**NEW**

C %	H %	Item number / Artikelnummer	Lot
<b>41.10</b>	<b>5.52</b>	<b>90710-3010</b>	T15B032

**90800 – Graphite / Graphit**

50 g

<b>C %</b>	<b>Item number / Artikelnummer</b>	<b>Lot</b>
100	<b>90800</b>	/

**90810 – Calcium carbonate / Calciumcarbonat**

100 g

<b>C %</b>	<b>CO<sub>2</sub> %</b>	<b>Item number / Artikelnummer</b>	<b>Lot</b>
12	43.97	<b>90810</b>	C255416

**90821 – Barium sulphate / Bariumsulfat**

50 g

<b>S %</b>	<b>Item number / Artikelnummer</b>	<b>Lot</b>
13.70	<b>90821</b>	/

**90824 – Sulfanilic acid / Sulfanilsäure**

50 g

<b>C %</b>	<b>H %</b>	<b>S %</b>	<b>Item number / Artikelnummer</b>	<b>Lot</b>
41.57	4.04	18.48	<b>90824</b>	/

**90812-xxxx – Limestone / Kalkstein**  
25 g

**NEW**

S %	C %	Item number / Artikelnummer	Lot
0.044	11.97	90812-3001	52199
0.418	11.72	90812-3002	101602

**90816-xxxx – Tungsten carbide / Wolframcarbid**  
100 g

**NEW**

C %	S %	Item number / Artikelnummer	Lot
6.13	0.0009	90816-3001	914C

**92530 – Oil standard / Öl Standard**  
118 ml

**NEW**

S %	Item number / Artikelnummer	Lot
0.97	92530	047713