



Referenzmaterialien - Verbrennungsanalyse

Reference materials – Combustion analysis

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Katalog Nr. 8 - Verbrennungsanalyse

Material

Stahl

Gußeisen / Roheisen

Metal. Carbide / Ferrolegierungen

Nichteisenmetalle

Pflanzen

Catalogue No. 8 - Combustion Analysis

Material

Steel

Cast Iron / Pig Iron

Metal Carbides / Ferro Alloys

Non-Ferrous Metals

Plants

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O, N, H, C, S in Stahl (Steel)

CRM	O	N	H	C	S	Einheit Unit	Pack.	Form
3 1754	0.0024	0.0081	-	-	-	‰	1	Stab, 9.5x9.5x10.2 mm, Stahl, niedr. leg. (Rod, Steel, low alloy)
3 166c	-	-	-	0.0078	-	‰	100g	Chip, Edelstahl (Stainless Steel)
3 1090	0.0491	(0.0060)	-	-	-	‰	1	Stab, Ø 0.635x10.2 cm Armcoeisen (Rod, Ingot Iron)
3 1091a	0.01322	(0.0876)	-	-	-	‰	1	Stab, Edelstahl (Rod, Stainless Steel)
3 1093	0.0060	-	-	-	-	‰	1	Stab, Stahl, hoch leg. (Rod, Steel, high alloy)
3 1094	0.00045	(0.0071)	-	-	-	‰	1	Stab, Stahl, hoch leg. (Rod, Steel, high alloy)
5 318A	0.0096	-	-	-	-	‰	2	Stab, Ø 6.35x95 mm, Stahl, unleg. (Rod, Steel, unalloyed)
5 318B	0.0103	-	-	-	-	‰	1	Stab, Ø 12.7x127 mm, Stahl, unleg. (Rod, Steel, unalloyed)
9 GS1d	0.00354	(0.0200)	(0.00016)	-	-	‰	8	Stab, Ø 5x230 mm, Edelstahl (Rod, Stainless Steel)
9 GS5e	0.00048	-	-	-	-	‰	8	Stab, Ø 6x230 mm, Edelstahl (Rod, Stainless Steel)
EC 026-1	0.0031	0.0053	-	-	-	‰	2	Pin, Ø 8x100 mm/90-100 g, Stahl, unleg. (Steel, unalloyed)
EC 026-2	0.0025	0.0042	-	-	-	‰	3	Pin, Ø 8x100 mm/90-100 g, Stahl, unleg. (Steel, unalloyed)
EC 027-1	0.0084	0.0157	-	-	-	‰	3	Pin, Ø 8x100 mm/90-100 g, Stahl, unleg. (Steel, unalloyed)
EC 028-1	0.0113	0.0029	-	-	-	‰	3	Pin, Ø 8x100 mm/90-100 g, Stahl, unleg. (Steel, unalloyed)
EC 029-1	0.0312	0.0083	-	-	-	‰	3	Pin, Ø 8x100 mm/90-100 g, Stahl, unleg. (Steel, unalloyed)
EC 099-1	0.0008	0.0078	-	-	-	‰	100g	1g Ball, Gold plat., Kugellagerstahl (Ball Bearing Steel)
EC 284-2	0.0099	0.0151	-	-	-	‰	100g	Chip, Edelstahl (Stainless Steel)
EC 285-1	0.0066	0.0023	-	-	-	‰	100g	Chip, Edelstahl (Stainless Steel)
VS U10	-	-	-	0.035	0.0116	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
VS U11	-	-	-	0.119	0.027	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
VS U12	-	-	-	0.221	0.0197	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
VS U13	-	-	-	0.889	0.0070	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
VS U14	-	-	-	0.0023	0.0056	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
VS U15	-	-	-	0.219	0.0200	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
VS U16	-	-	-	-	0.0383	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
VS U17	-	-	-	0.086	0.128	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
VS 7-2	-	0.0037	-	-	-	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
VS 7-3	-	0.0096	-	-	-	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
VS 7-4	-	0.0161	-	-	-	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
VS 7-5	-	0.0241	-	-	-	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
VS C31	-	0.0513	-	-	-	‰	100g	Chip, Stahl, hoch leg. (Steel, high alloy)
VS C41	-	0.166	-	-	-	‰	100g	Chip, Stahl, hoch leg. (Steel, high alloy)
VS C44	-	0.233	-	-	-	‰	100g	Chip, Stahl, hoch leg. (Steel, high alloy)
VS C36	-	0.397	-	-	-	‰	100g	Chip, Stahl, hoch leg. (Steel, high alloy)

O, N, H, C, S in Stahl (Steel)

CRM	O	N	H	C	S	Einheit Unit	Pack.	Form
CI NS2002a	-	-	0.00065	-	-	‰	20g	1g Ball, Ø 6.350 mm Stahl (Steel)
CI NS2006b	-	-	0.00025	-	-	‰	20g	1g Ball, Ø 6.350 mm Stahl (Steel)
CI NS20025a	-	-	0.000133	-	-	‰	20g	1g Ball Stahl (Steel)
CI NS20031	-	-	0.00021	-	-	‰	20g	2.96 g Ball Stahl (Steel)
CI NS20034	-	-	0.00017	-	-	‰	50g	5g Pin, Edelstahl (Stainless Steel)
CI NS14001	0.0081	-	-	-	-	‰	100g	Chip, Stahl (Steel)
CI NS14002	0.0040	-	-	-	-	‰	100g	Chip, Stahl (Steel)
CI NS14003	0.0048	-	-	-	-	‰	100g	Chip, Stahl (Steel)
CI NS20035	0.00229	0.01012	-	-	-	‰	60g	Pin, Ø 5.5x300 mm Stahl (Steel)
CI NS20036	0.00511	0.00677	-	-	-	‰	60g	Pin, Ø 5.5x300 mm Stahl (Steel)
CI NS20037	0.00107	0.00595	-	-	-	‰	60g	Pin, Ø 5.5x300 mm Stahl (Steel)
CI NS22005	0.0074	0.0351	-	-	-	‰	50g	1g Ball, Ø 6.35 mm Edelstahl (Stainless Steel)
CI NS22006	0.0048	0.0454	-	-	-	‰	50g	1g Ball, Ø 6.35 mm Edelstahl (Stainless Steel)
CI NS22007	0.0133	0.0118	-	-	-	‰	50g	1g Ball, Ø 6.35 mm Edelstahl (Stainless Steel)
CI NS22008	0.0022	0.0070	-	-	-	‰	50g	1g Ball, Ø 6.35 mm Kohlenstoffstahl (Carbon Steel)
CI NS22009	0.0088	0.0032	-	-	-	‰	50g	1g Ball, Ø 6.35 mm Kohlenstoffstahl (Carbon Steel)
CI NS22010	0.0115	0.0025	-	-	-	‰	50g	1g Ball, Ø 6.35 mm Kohlenstoffstahl (Carbon Steel)
CI NS28033	-	-	-	0.00065	0.00045	‰	100g	Chip, Reineisen (Pure Iron)
CI NS28034	-	-	-	0.0016	0.0058	‰	100g	Chip, Reineisen (Pure Iron)
CI NS28035	-	-	-	0.012	0.0069	‰	100g	Chip, Reineisen (Pure Iron)
F 100-1	38.1	35.7	-	-	-	ug/g	250	Ø 3.97, 0.2547g, Ball Stahl, niedr. leg, goldplatiert (Steel, low alloy, gold plated)
F 200S-1	89.8	312	-	-	-	ug/g	250	Ø 5.00, 0.5188g, Ball Stahl, hoch leg, goldplatiert (Steel, high alloy, gold plated)
IT IW1-02	-	-	-	0.131	0.020	‰	100g	Chip, Cr18Ni9
IT IW1-04	-	-	-	0.072	0.012	‰	100g	Chip, Ni13
IT IW1-05	-	-	-	0.11	0.018	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
IT IW2-01	-	0.0095	-	-	-	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
IT IW2-03	-	0.0170	-	-	-	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
IT IW2-04	-	0.0190	-	-	-	‰	100g	Chip, Kohlenstoffstahl (Carbon Steel)
IT IW2-05	-	0.0033	-	-	-	‰	100g	Chip, Armcoeisen (Armco Iron)
IT IW2-06	-	0.0410	-	-	-	‰	100g	Chip, Cr13
IT IW2-07	-	0.0400	-	-	-	‰	100g	Chip, Cr17Ni11
IT IW2-08	-	0.0200	-	-	-	‰	100g	Chip, Cr10Ni20
IT IW2-09	-	0.0220	-	-	-	‰	100g	Chip, Cr18Ni10

O, N, H, C, S in Stahl (Steel)

CRM	O	N	H	C	S	Einheit	Pack.	Form
J 31	0.0015	-	-	-	-	‰	1	Pin, Ø 8-12x500 mm
J 32	0.0028	-	-	-	-	‰	1	Pin, Ø 8-12x500 mm
J 34	0.0068	-	-	-	-	‰	1	Pin, Ø 8-12x500 mm
J 35	0.0198	-	-	-	-	‰	1	Pin, Ø 8-12x500 mm
J 36	-	0.0337	-	0.0125	0.0126	‰	150g	Chip
J 40	-	-	0.0344	0.793	0.200	‰	150g	Chip
SP CZ2003	-	0.0046	-	0.0402	0.0316	‰	250g	Chip
SP CZ2004	-	0.0038	-	0.079	0.0464	‰	250g	Chip
SP CZ2005	-	0.0081	-	0.358	0.0250	‰	250g	Chip
SP CZ2006	-	0.0066	-	0.461	0.0172	‰	250g	Chip
SP CZ2007	-	0.0128	-	0.684	0.0106	‰	250g	Chip
SP CZ2008	-	0.0066	-	0.977	0.0091	‰	250g	Chip
SP CZ2025	-	-	-	0.0020	0.0018	‰	200g	Pulver/powder
SP CZ2026	-	-	-	0.068	0.255	‰	250g	Chip

O, N, H, C, S in Stahl (Steel)

RM	O	N	H	C	S	Einheit Unit	Pack.	Form
6 CSN2-1	-	0.064	-	0.476	0.034	‰	500g	1g Pin, Stahl, niedr. leg. (Steel, low alloy)
6 CSN2-2	-	0.076	-	0.548	0.028	‰	500g	1g Pin, Stahl, niedr. leg. (Steel, low alloy)
6 CSN3	-	0.0047	-	0.892	0.0035	‰	500g	1g Pin, Stahl, niedr. leg. (Steel, low alloy)
6 CSN4	-	0.026	-	0.011	0.0008	‰	500g	1g Pin, Stahl, hoch leg. (Stainless Steel)
6 CSNA	-	0.0081	-	0.068	0.305	‰	100g	Chip
6 HON-T	0.0044	0.0365	0.00027	0.050	0.0040	‰	250g	1g Pin, Stahl, hoch leg., nickelplatiert (Steel, high alloy, nickel-plated)
6 CS5	-	-	-	0.050	0.0040	‰	500g	1g Pin, Stahl, hoch leg., (Stainless Steel)
6 ST626	-	0.0064	-	0.068	0.020	‰	500g	1g Pin, Kohlenstoffstahl, (Carbon Steel)
BR 644	0.0069	0.0064	-	-	-	‰	100g	1g Pin
BR 192	-	0.1743	-	0.0235	0.0032	‰	100g	Chip

N, C + S in Stahl (Steel)

CRM	N	C	S	Einheit	Pack.	Form Unit
TH 1031	-	0.0674	0.403	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1036-2	0.0034	0.0791	0.321	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1037	-	0.194	0.0134	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1038	-	0.0823	0.247	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1041	-	0.0925	0.0100	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1034	0.0170	-	-	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1002-3	0.0088	0.4757	0.0526	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1006-4	0.0046	0.952	0.0111	‰	100g	Chip, Stahl, niedr. leg. (Stahl, low alloy)
TH 1007-3	0.0031	0.787	0.0137	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1008-3	0.0053	0.163	0.0063	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1009-2	0.0064	0.0875	0.0202	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1010-2	0.0034	0.145	0.0136	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1013-2	0.0142	0.384	0.0344	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1045-2	0.0046	0.0024	0.0043	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1017-2	0.0031	0.0146	0.0004	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1018-2	0.0065	0.573	0.0019	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1019-4	0.0046	0.0200	0.0133	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1027-2	0.0030	0.7260	0.0092	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1036-2	0.0034	0.0791	0.321	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1039-2	0.0027	0.0352	0.0222	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1040	0.0011	0.0504	0.0051	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1042	0.0080	0.0474	0.0237	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1042-2	0.0087	0.0778	0.0227	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1043-3	0.00017	0.00019	0.00008	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1046-2	0.0007	0.0003	0.0016	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)

N, C, S, P in Stahl (Steel)

RM	N	C	S	P	Einheit	Pack.	Form Unit
TH 1016	0.0067	-	-	-	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1026	0.0136	-	-	-	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1020	-	-	-	0.0306	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
TH 1040	0.0011	0.0504	0.0051	-	‰	100g	Chip, Stahl, niedr. leg. (Steel, low alloy)
CT 088A	-	0.0151	0.00045	-	‰	200g	Pins, T-302 HQ Stahl; Steel

O, N, H, C, S in Stahl (Steel)

RM	O *	N *	H *	C *	S *	Einheit Unit	Pack.	Form	* Konzentrationsbereich - tatsächl. Wert lt. Charge/Zertifikat (Concentration range - actual value as per lot/certificate)
AR 546	-	-	0.61	-	-	ug/g	100g	1g Pin	
AR 555	-	-	2.5	-	-	ug/g	100g	1g Pin	
AR 556	-	-	5.75	-	-	ug/g	100g	1g Pin	
AR 557	18	425	3.7	-	-	ug/g	50g	1g Ball	
AR 654	71	327	-	-	-	ug/g	50g	0.5g Pin	
AR 655	21	3896	-	-	-	ug/g	50g	0.5g Pin	
AR 656	71	213	-	-	-	ug/g	50g	0.5g Pin	
AR 657	77	91	-	-	-	ug/g	50g	0.5g Pin	
AR 659	158	72	-	-	-	ug/g	50g	0.5g Pin	
AR 660	57	61	-	-	-	ug/g	50g	0.5g Pin	
AR 661	6	308	-	-	-	ug/g	50g	0.5g Pin	
AR 662	36	684	-	-	-	ug/g	50g	0.5g Pin	
AR 663	43	1790	-	-	-	ug/g	50g	0.5g Pin	
AR 668	14	34	-	-	-	ug/g	50g	0.5g Pin	
AR 669	291	658	-	-	-	ug/g	50g	0.5g Pin	
AR 644	3	171	-	-	-	ug/g	100g	1g Pin	
AR 645	60	58	-	-	-	ug/g	100g	1g Pin	
AR 646	31	677	-	-	-	ug/g	100g	1g Pin	
AR 1647	41	1797	-	-	-	ug/g	100g	1g Pin	
AR 1648	180	73	-	-	-	ug/g	100g	1g Pin	
AR 1650	54	97	-	-	-	ug/g	100g	1g Pin	
AR 1651	64	213	-	-	-	ug/g	100g	1g Pin	
AR 1652	54	532	-	-	-	ug/g	100g	1g Pin	
AR 1653	14	34	-	-	-	ug/g	100g	1g Pin	
AR 673	-	-	-	0.0011	0.0013	‰	454g	Chip	
AR 881	-	-	-	0.020	0.004	‰	454g	1g Pin	
AR 882	-	-	-	0.056	0.022	‰	454g	1g Pin	
AR 883	-	-	-	0.198	0.023	‰	454g	1g Pin	
AR 884	-	-	-	0.472	0.072	‰	454g	1g Pin	
AR 885	-	-	-	0.971	0.018	‰	454g	1g Pin	
AR 886	-	-	-	0.683	0.016	‰	454g	1g Pin	
AR 888	-	-	-	0.060	0.224	‰	454g	1g Pin	
AR 889	-	-	-	1.30	0.014	‰	454g	1g Pin	
AR 890	-	-	-	0.102	0.027	‰	454g	1g Pin	
AR 891	-	-	-	0.045	0.027	‰	454g	1g Pin	
AR 510	-	-	-	2.50	0.075	‰	250g	0.5g Pin	
AR 511	-	-	-	0.06	0.23	‰	250g	0.5g Pin	
AR 512	-	-	-	0.05	0.37	‰	250g	0.5g Pin	
AR 870	-	-	-	0.035	0.022	‰	454g	1g Ring, Sn-plat.	
AR 871	-	-	-	0.050	0.012	‰	454g	1g Ring, Sn-plat.	
AR 872	-	-	-	0.172	0.007	‰	454g	1g Ring, Sn-plat.	
AR 873	-	-	-	0.383	0.007	‰	454g	1g Ring, Sn-plat.	
AR 874	-	-	-	0.697	0.007	‰	454g	1g Ring, Sn-plat.	
AR 875	-	-	-	0.855	0.010	‰	454g	1g Ring, Sn-plat.	

O, N, H, C, S in Stahl (Steel)

RM	O *	N *	H *	C *	S *	Einheit Unit	Pack.	Form	* Konzentrationsbereich-tatsächl. Wert lt. Charge/Zertifikat (Concentration range-actual values as per lot/certificate)
AR 950	-	0.0016	-	0.071	0.013	‰	150g	Chip, Kohlenstoffstahl (Type 1005 Plain Carbon)	
AR 951	-	0.0087	-	0.176	0.024	‰	150g	Chip, Kohlenstoffstahl (Type 1018 Plain Carbon)	
AR 952	-	0.0012	-	0.493	0.039	‰	150g	Chip, Kohlenstoffstahl (Type 1045 Plain Carbon)	
AR 953	-	0.0101	-	1.00	0.008	‰	150g	Chip, Kohlenstoffstahl (Type 1095 Plain Carbon)	
AR 954	-	0.0064	-	0.391	0.022	‰	150g	Chip, Stahl, niedr. leg. (Type 4340 Low Alloy)	
AR 955	-	0.0090	-	0.201	0.021	‰	150g	Chip, Stahl, niedr. leg. (Type 8620 Low Alloy)	
AR 956	-	0.0065	-	0.468	0.286	‰	150g	Chip, Stahl, niedr. leg. (Type 1144 Low Alloy)	
AR 957	-	0.0088	-	0.188	0.092	‰	150g	Chip, Stahl, niedr. leg. (Type 1117 Low Alloy)	
AR 958	-	0.0504	-	0.057	0.031	‰	150g	Chip, Stahl, hoch leg. (Type 3040 Stainless)	
AR 959	-	0.0800	-	0.060	0.020	‰	150g	Chip, Stahl, hoch leg. (Type 3160 Stainless)	
AR 960	-	0.0401	-	0.103	0.0005	‰	150g	Chip, Stahl, hoch leg. (Type 4100 Stainless)	
AR 961	-	0.0499	-	0.0188	0.0161	‰	150g	Chip, Stahl, hoch leg. (Type 316L Stainless)	

O, N, H, C, S in Stahl (Steel)

RM	O *	N *	H *	Einheit Unit	Pack.	Form	* Konzentrationsbereich- tatsächl. Wert lt. Charge/Zertifikat Concentration range - actual value as per lot/certificate)
9 SMO	1011	-	-	ug/g	50g	0.5g Pin	
9 SS2	110	15	-	ug/g	100g	1.0g Pin (Ø 5x6.5 mm)	No certificate, values on bottle
9 SS3	175	60	-	ug/g	100g	1.0g Pin (Ø 5x6.5 mm)	
9 SS4	12	140	-	ug/g	100g	1.0g Pin (Ø 5x6.5 mm)	
9 SS5	-	-	7	ug/g	100g	10g Stab/Rod (Ø 4x100 mm)	

C + S in Gußeisen (Cast Iron)

* VS AR VS VS VS AR 3 VS GB VS VS GB BR GB TH AR AR TH GB AR AR VS VS TH GB AR AR GB AR VS VS TH GB AR AR GB AR VS GB VS TH VS VS	C	S	Einheit Unit	Pack.	Form	* Proben mit Präfix 3, GB und VS sind CRM-Proben, alle anderen RM-Proben (Samples with prefix 3, GB and VS are CRM-samples, all others are RM-samples)
CH5	2.40	0.0052	‰	100g	Pulver (powder)	
301	2.26	0.010	‰	150g	Pulver (powder)	
CH7	2.62	0.025	‰	100g	Pulver (powder)	
CH1	3.21	0.021	‰	100g	Pulver (powder)	
CH16	2.64	0.049	‰	100g	Pulver (powder)	
305	2.75	0.015	‰	150g	Pulver (powder)	
334	2.83	0.043	‰	150g	Pulver (powder)	
CH8	3.25	0.0095	‰	100g	Pulver (powder)	
01118	2.88	0.142	‰	150g	Pulver (powder)	
CH6	2.93	0.037	‰	100g	Pulver (powder)	
CH15	3.04	0.040	‰	100g	Pulver (powder)	
01117	3.08	0.098	‰	150g	Pulver (powder)	
K3	3.10	0.120	‰	100g	Pulver (powder)	
01114	3.16	0.123	‰	150g	Pulver (powder)	
1048	3.194	0.0442	‰	100g	Pulver (powder)	
319	3.28	0.055	‰	150g	Pulver (powder)	
322	3.37	0.046	‰	250g	Pulver (powder)	
1050	3.424	0.143	‰	100g	Pulver (powder)	
01116	3.43	0.074	‰	150g	Pulver (powder)	
306	3.53	0.013	‰	150g	Pulver (powder)	
302	3.55	0.045	‰	150g	Pulver (powder)	
CH10	3.62	0.076	‰	100g	Pulver (powder)	
CH2	3.62	0.069	‰	100g	Pulver (powder)	
1023-2	3.62	0.0206	‰	100g	Pulver (powder)	
01111	3.64	0.016	‰	150g	Pulver (powder)	
309	3.70	0.015	‰	150g	Pulver (powder)	
CH14	3.81	0.034	‰	100g	Pulver (powder)	
323	3.81	0.064	‰	100g	Pulver (powder)	
CH9	3.84	0.122	‰	100g	Pulver (powder)	
01112	3.87	0.044	‰	150g	Pulver (powder)	
303	3.90	0.013	‰	150g	Pulver (powder)	
310	3.95	0.105	‰	150g	Pulver (powder)	
01115	4.11	0.029	‰	150g	Pulver (powder)	
304	4.15	0.014	‰	150g	Pulver (powder)	
CH13	4.16	0.034	‰	100g	Pulver, gekörnt, in Argon verdüst (Powder, coarse, Argon sprayed)	
01113	4.18	0.058	‰	150g	Pulver (powder)	
CH12	4.33	0.0101	‰	100g	Pulver, gekörnt, in Argon verdüst (Powder, coarse, Argon sprayed)	
1047	4.47	0.093	‰	100g	Pulver (powder)	
CH11	4.50	0.030	‰	100g	Pulver (powder)	
1049-2	4.823	0.0022	‰	100g	Pulver, (powder)	

C + S + weitere Elemente in Karbiden (Carbides)

CRM	C (tot)	C (graph)	S	O	Fe	Ta	Nb	Einheit Unit	Pack.	Form
5 352/1	6.154	0.036	-	(0.11)	0.0029	-	-	%	100g	Pulver (Powder), Wolframkarbid (Tungsten Carbide)
GB 02801	6.10	-	-	-	-	-	-	%	100g	Pulver (Powder), Wolframkarbid (Tungsten Carbide)
H 102	-	-	-	185	-	-	-	ug/g	2-3g	Ampulle, verschl. (Sealed Vial), Wolframkarbid (Tungsten Carbide)

RM	C (tot)	S	Einheit Unit	Pack.	Form
1 240	3.86	0.0013	%	400g	Pulver (Powder), MnFe-Karbid (MnFe-Carbide)
1 225	5.63	0.0008	%	400g	Pulver (Powder), MnFe-Karbid (MnFe-Carbide)

RM	C (tot)	Einheit Unit	Pack.	Form
AR 307	6.17	%	100g	Pulver, kristall. (Powder, cristall.) W-Karbid (W-Carbide)

N in Ferroleg. (Ferro-Alloys)

CRM	N	Einheit Unit	Pack.	Form
VS F30/3	0.68	%	100g	Pulver (Powder) FeTi
VS F15/1	1.78	%	100g	Pulver (Powder) FeCr
VS F32/1	7.5	%	100g	Pulver (Powder) FeV

O, N, H, C, S in Nichteisen-Metallen (Non-Ferrous Metals)

CRM	O	N	H	C	S	B	P	Einheit Unit	Pack.	Form	
IM Cu50	-	-	-	-	49.6	-	-	ug/g	250g	Chip	Kupfer (Copper)
IM Cu90	-	-	-	-	83.7	-	-	ug/g	250g	Chip	Kupfer (Copper)
H 017A	-	-	-	-	10.4	-	7.0	ug/g	50g	Scheibe (disc), Ø 40x30 mm	Kupfer (Copper)
H 017B	-	-	-	-	10.4	-	7.0	ug/g	50g	Chip	Kupfer (Copper)
CI NS41002	2.72	-	-	-	-	-	-	ug/g	23g	Chip	Kupfer (Copper)
CI NS41004	4.6	-	-	-	-	-	-	ug/g	23g	Chip	Kupfer (Copper)
CI NS41003	8.5	-	-	-	-	-	-	ug/g	23g	Chip	Kupfer (Copper)
H 022A	138	-	-	-	-	-	-	ug/g	1	Scheibe (disc), Ø 26x9 mm	Kupfer (Copper)
H 022B	138	-	-	-	-	-	-	ug/g	1	Pin, Ø 9x50 mm	Kupfer (Copper)
H 054R	0.47	-	-	-	-	-	-	ug/g	1	Pin, Ø 7x50 mm	Kupfer (Copper)
IM Cu10/1	3.8	-	-	-	-	-	-	ug/g	240g	Stäbe (rods)	Kupfer (Copper)
IM Cu100	123	-	-	-	-	-	-	ug/g	200g	Pin, Ø 20x11.5 mm	Kupfer (Copper)
IM Cu100-5	163.7	-	-	-	-	-	-	ug/g	150g	Stäbe (rods), Ø 5x100 mm	Kupfer (Copper)
IM Cu300	258	-	-	-	-	-	-	ug/g	150g	Stäbe (rods), Ø 5x100 mm	Kupfer (Copper)
CI NS41001	333	-	-	-	-	-	-	ug/g	23g	Chip	Kupfer (Copper)
H 058	390.0	-	-	-	-	-	-	ug/g	1	Pin, Ø 7x50 mm	Kupfer (Copper)
IM Ni-1	-	-	-	1260	31	-	-	ug/g	100g	Chip	Rein-Nickel (Pure Nickel)
IM Ni-2	-	-	-	128	149	-	-	ug/g	100g	Chip	Rein-Nickel (Pure Nickel)
H 099	8.4	1.1	-	-	-	-	-	ug/g	50g	2g Würfel (cube)	Nickel
H 025A	<0.1	-	-	0.26	-	1.22	-	ug/g	1	Scheibe (disc), Ø 26x9 mm	Aluminium
H 025B	<0.1	-	-	0.26	-	1.22	-	ug/g	1	Pin, Ø 8x50 mm	Aluminium
H 329	-	-	-	-	-	30.0	-	ug/g	50g	Chip	3% AlMg
H 330	-	-	-	-	-	32.0	-	ug/g	1	Scheibe (disc), Ø 55x30 mm	3% AlMg
H 318	-	-	12.2	-	-	-	-	ug/g	100	Scheiben (discs), Ø 7x1 mm	Titan (Titanium)
H 024B	608	117	-	-	-	-	-	ug/g	10g	0.4g Würfel (cube)	Titan (Titanium)
H 024C	608	117	-	-	-	-	-	ug/g	5g	0.2g Würfel (cube)	Titan (Titanium)
3 352c	-	-	49.0	-	-	-	-	ug/g	20g	Plättchen (plates), 3x3x1.5mm	Titan, unleg. (Unalloyed Titanium)
3 2452	-	-	62.5	-	-	-	-	ug/g	10g	Chip	Titan (Titanium)
3 2453	-	-	114	-	-	-	-	ug/g	10g	Chip	Titan (Titanium)
3 2454	-	-	211	-	-	-	-	ug/g	10g	Chip	Titan (Titanium)
GB 02601	-	170	-	-	-	-	-	ug/g	35g	Chip	Titan, unleg. (Unalloyed Titanium)
GB 02604	2730	-	-	-	-	-	-	ug/g	20g	Streifen (strips), 100x3x1 mm	Titan, unleg. (Unalloyed Titanium)
GB 02605	3160	-	-	-	-	-	-	ug/g	20g	Scheiben (discs), Ø 18x2 mm	Titan, unleg. (Unalloyed Titanium)
GB 02602	-	200	-	-	-	-	-	ug/g	35g	Chip	5Al4V Titan-Leg. (Titanium Alloy)
CI NS7003	1190	-	-	-	-	-	-	ug/g	20g	Streifen (strips), 100x3x1 mm	5Al4V Titan-Leg. (Titanium Alloy)
H 059A	1750	172	-	-	-	-	-	ug/g	20g	Scheibe (disc), Ø 26x9 mm	6Al4V Titan-Leg. (Titanium Alloy)
H 059B	1750	172	-	-	-	-	-	ug/g	5g	0.2g Würfel (cube)	6Al4V Titan-Leg. (Titanium Alloy)
H 023A	14.7	<0.3	-	<0.2	-	-	-	ug/g	1	Scheibe (disc), Ø 26x9 mm	Molybdän (Molybdenum)
H 023B	14.7	<0.3	-	<0.2	-	-	-	ug/g	25g	1g Würfel (cube)	Molybdän (Molybdenum)
H 055	1.0	-	-	-	-	-	-	ug/g	1	Pin, Ø 30x9 mm	Blei (Lead)
VS F8/1	-	250	-	-	-	-	-	ug/g	100g	Pulver (powder)	Chrom (Chromium)
IM 10/1	11.5	-	-	-	-	-	-	ug/g	60g	Pin, Ø 6x100 mm	Silber (Silver)
IM 100/1	109.6	-	-	-	-	-	-	ug/g	60g	Pin, Ø 6x100 mm	AgCu-Leg. (AgCu-Alloy)
IM 2N	-	2.3	-	-	-	-	-	ug/g	195g	Stäbe (rods), Ø 3.9x100 mm	Silber (Silver)
IM 150N	-	155.4	-	-	-	-	-	ug/g	100g	Pellets, Ø 5.5x5 mm	Silber (Silver)
VS F29/2	-	4.69	-	-	-	-	-	%	100g	Pulver (powder)	Mangan (Manganese)

O, N, H, C + S in Nichteisen-Metallen (Non-Ferrous Metals)

RM	O	N	H	C	S	Einheit Unit	Pack.	Form	
AR 147	13	-	-	-	26	ug/g	100g	1g Pin	Kupfer (Copper)
AR 148	498	-	-	-	12	ug/g	100g	1g Pin	Kupfer (Copper)
AR 149	305	-	-	-	6	ug/g	100g	1g Pin	Kupfer (Copper)
6 HPN1	(1400)	15	(70)	270	5	ug/g	100g	Pulver (Powder)	Nickel
AR 637	597	101	16	-	-	ug/g	10g	0.1g Pin	Titan (Titanium)
AR 642	1500	120	49	-	-	ug/g	25g	0.25g Pin	Titan (Titanium)
AR 648	1238	49	142	-	-	ug/g	10g	0.1 Pin	Titan (Titanium)
AR 649	810	119	200	-	-	ug/g	25g	0.25g Pin	Titan (Titanium)
AR 650	1913	330	62	-	-	ug/g	25g	0.25g Pin	Titan (Titanium)
AR 651	1275	51	29	-	-	ug/g	10g	0.1g Pin	Titan (Titanium)
AR 640	1480	51	11	-	-	ug/g	10g	0.1g Pin	Zirkonium (Zirconium)

Organische Standards und Reagenzien (Organic Standards and Reagents)

RM	C	H	N	O	S	Cl	Br	I	F	P	Einheit Unit	Pack.	
AR 2029	99.99	-	-	-	-	-	-	-	-	-	⊗	50g	Graphite, H.P.
AR AEB2003	94.34	5.66	-	-	-	-	-	-	-	-	⊗	1g	Anthracene
AR AEB2039	94.46	6.54	-	-	-	-	-	-	-	-	⊗	1g	Diphenyl
AR AEB2014	93.71	6.29	-	-	-	-	-	-	-	-	⊗	1g	Naphtalene
AR AEB2040	52.99	5.93	41.20	-	-	-	-	-	-	-	⊗	1g	Imidazol
AR 1053	71.09	6.71	10.36	11.84	-	-	-	-	-	-	⊗	10g	Acetanilide
AR AEB2001	40.44	7.92	15.72	35.92	-	-	-	-	-	-	⊗	1g	Alanine
AR AEB2005	51.79	5.07	20.14	23.00	-	-	-	-	-	-	⊗	1g	Cylohexanone-2,4 Dinitrophenylhydrazone
AR AEB2012	42.87	2.40	16.66	38.07	-	-	-	-	-	-	⊗	1g	1,3-Dinitrobenzene
AR AEB2015	52.17	4.38	20.29	23.16	-	-	-	-	-	-	⊗	1g	4-Nitroaniline
AR AEB2016	67.01	7.31	7.82	17.86	-	-	-	-	-	-	⊗	1g	Phenacetin
AR AEB2020	74.47	4.86	9.65	11.02	-	-	-	-	-	-	⊗	1g	8-Hydroxyquinoline
AR AEB2030	49.48	5.19	28.85	16.48	-	-	-	-	-	-	⊗	1g	Caffeine
AR 2092	41.09	5.52	9.59	43.79	-	-	-	-	-	-	⊗	50g	EDTA
AR AEB2034	39.64	1.90	13.20	45.25	-	-	-	-	-	-	⊗	1g	3,5-Dinitrobenzoic Acid
AR AEB2038	20.00	6.71	46.64	26.64	-	-	-	-	-	-	⊗	1g	Urea
AR AEB2041	65.30	3.43	9.52	21.75	-	-	-	-	-	-	⊗	1g	Isatin
AR AEB2004	68.85	4.95	-	26.20	-	-	-	-	-	-	⊗	1g	Benzoic Acid
AR AEB2031	76.00	12.75	-	11.25	-	-	-	-	-	-	⊗	1g	Stearic Acid
AR 2021	42.10	6.48	-	51.41	-	-	-	-	-	-	⊗	50g	Sucrose
AR AEB2035	29.99	5.03	11.66	26.63	26.69	-	-	-	-	-	⊗	1g	Cystine
AR AEB2036	41.85	4.68	16.26	18.58	18.62	-	-	-	-	-	⊗	1g	Sulphanilamide
AR AEB2037	51.78	5.07	20.12	11.49	11.52	-	-	-	-	-	⊗	1g	Sulphamethazine
AR AEB2017	-	3.11	14.43	49.44	33.02	-	-	-	-	-	⊗	1g	Sulphamic Acid
AR AEB2011	68.25	5.73	-	-	26.02	-	-	-	-	-	⊗	1g	Dibenzyldisulphide
AR AEB2007	47.40	5.47	13.82	-	15.82	17.49	-	-	-	-	⊗	1g	S-Benzylthiuronium Chloride
AR AEB2009	53.70	3.22	-	20.44	-	22.64	-	-	-	-	⊗	1g	4-Chlorobenzoic Acid
AR AEB2010	35.58	1.49	13.83	31.60	-	17.50	-	-	-	-	⊗	1g	1-Chloro-2,4-Dinitrobenzene
AR AEB2019	25.30	-	-	-	-	74.70	-	-	-	-	⊗	1g	Hexachlorobenzene
AR AEB2008	41.82	2.51	-	15.92	-	-	39.75	-	-	-	⊗	1g	4-Bromobenzoic Acid
AR AEB2021	33.90	2.03	-	12.90	-	-	-	51.17	-	-	⊗	1g	2-Iodobenzoic Acid
AR AEB2013	60.01	3.59	-	22.84	-	-	-	-	13.56	-	⊗	1g	4-Fluorobenzoic Acid
AR AEB2018	50.80	3.20	7.41	8.46	-	-	-	-	30.13	-	⊗	1g	Trifluoroacatanilide
AR AEB2022	82.42	5.76	-	-	-	-	-	-	-	11.81	⊗	1g	Triphenylphosphine

C, H, N, S in Pflanzenmatrix (Plant Matrices)

RM	C	H	N	S	Einheit Unit	Pack.	
AR 2016	45.18	5.69	7.98	0.37	%	30g	Sojabohnen (Soy Bean Meal)
AR 2017	50.29	6.33	10.95	0.96	%	30g	Maisgluten (Corn Glutin)
AR 2018	45.77	5.42	3.37	0.20	%	30g	Alfalfa, Luzerne (Alfalfa)
AR 2019	43.17	5.76	2.74	0.17	%	30g	Weizenmehl (Wheat Meal)
AR 2020	44.25	5.78	1.86	0.17	%	30g	Roggenmehl (Rye Flour)
AR 2025	45.35	5.44	1.91	0.15	%	30g	Maismehl (Corn Meal)
AR 2026	47.76	5.72	2.06	0.16	%	30g	Hafermehl (Oat Meal)
AR 2027	46.68	5.57	1.50	0.14	%	30g	Gerste (Barley)
AR 2028	44.70	5.88	1.36	0.12	%	30g	Reis (Rice)