

ALPHA Resources LLC - USA

25g Ore, Limestone and Soil Standards

Last Updated: 3/16/2020

TOC, ROC, TIC Reference Materials

Part#	Description	TOC%	ROC%	TIC%	TC%	QTY
AEB2290	Silty Soil Standard	1.5	0.4	0.3	2.2	30G
AEB2292	Chalky Soil Standard	2.7	0.5	1.3	4.5	30G
AEB2293	Control Standard	2.0	1.8	2.0	5.8	30G
AEB2294	Incinerator Ash Standard	<0.1	0.8	0.3	1.1	30G
AEB2295	Foundry Sand Standard	1.1	1.8	0.1	30	30G

Organic Carbon

Part#	17034	Description	Qty	Carbon%	Standard Deviation	Lot#
AR1034		Calcium Carbonate (RM only)	50g	12		18427461
AR1034-100		Calcium Carbonate (RM only)	50g	12		18427461
AR1035		Organic Carbon CRM	50g	6	0.08	035619
AR1036		Organic Carbon CRM	50g	1	0.03	036419

AR1037		Organic Carbon CRM	50g	12	0.05	034619
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Ore Standards (Synthetic Carbon)

Part #	17034	Weight	%C	Standard Deviation	Expanded Deviation	%S	Standard Deviation	Expanded Deviation	%N	Standard Deviation	Expanded Deviation	Lot #
AR4005		30g	1.42	0.02	0.05	1.33	0.05	0.12	NA			118C
AR4006		30g	4.35	0.18		4.01	0.17		NA			119B
AR4007		30g	7.32	0.12	0.26	3.24	0.07	0.16				418B

Composite Soil Standards (Synthetic Carbon)

Part #	17034	Weight	%C	Standard Deviation	Expanded Deviation	%S	Standard Deviation	Expanded Deviation	%N	Standard Deviation	Expanded Deviation	Lot#
AR4020		100g	0.92	0.02	0.04	NA			NA			811B
AR4021		100g	3.04		0.16	0.032		0.013	NA			814A

Limestone Standards

Part #	17034	Weight	%C	Standard Deviation	Expanded Deviation	%S	Standard Deviation	Expanded Deviation	%N	Standard Deviation	Expanded Deviation	Lot#
AR4012		25g	11.97	0.17	0.39	0.031	0.005	0.011	NA			918D
AR4013		25g	2.81	0.05	0.10	0.027	0.005	0.010	NA			616B
AR4014		25g	5.87	0.11	0.22	0.029	0.004	0.008	NA			42899
AR4022		25g	7.15	0.47		0.052	0.014		NA			519E
AR4023		25g	11.70	0.25	0.50	0.220	0.016	0.032	NA			100902
AR4024		25g	11.72	0.20	0.40	0.418	0.020	0.040	NA			101602

Soil Standards

Part#	17034	Weight	%C	Standard Deviation	Expanded Deviation	%S	Standard Deviation	Expanded Deviation	%N	Standard Deviation	Expanded Deviation	Lot#
AR4015		25g	1.17	0.09		0.13	0.02		NA			516A
AR4016		25g	2.24	0.04	0.08	2.08	0.09	0.18	NA			213A
AR4017		25g	0.50	0.03	0.06	0.44	0.03	0.06	NA			313B
AR4018		25g	1.18		0.17	1.03		0.09	NA			619H
AR4019		25g	0.11	0.02	-	0.11	0.02	-	NA			1215A
AR4025		25g	NA			NA			0.460	0.040	0.080	8999
AR4026		25g	NA			NA			1.00	0.08	0.16	82599
AR4027		25g	NA			NA			1.64	0.13	0.26	082699
AR4028		25g	NA			NA			2.02	0.10	0.20	083099
AR4029		100g	4.93	0.06	0.12	NA	NA	NA	NA	NA	NA	217B
AEB2152		30g	1.65	NA	NA	0.031	NA	NA	0.14	NA	NA	
AEB2176		30g	15.95	NA	NA	NA	NA	NA	1.3	NA	NA	
AEB2180		30g	0.85	NA	NA	NA	NA	NA	0.1	NA	NA	
AEB2182		30g	2.2	NA	NA	NA	NA	NA	0.2	NA	NA	
AEB2184		30g	2.3	NA	NA	NA	NA	NA	0.2	NA	NA	
AEB2186		30g	2.75	NA	NA	NA	NA	NA	0.3	NA	NA	
AEB2188		30g	5.40	NA	NA	NA	NA	NA	0.35	NA	NA	

Loss on Ignition Standards

Part #	Weight	%LOI	Expanded Uncertainty	Lot#
AR4105	100g	4.94	0.09	419A
AR4106	100g	9.74	0.16	419B
AR4107	100g	Sold Out	Replacement	Pending
AR4108	100g	28.73%	0.24	419D

Synthetic Catalyst Standard

Part#	Weight	%C	Standard Deviation	Expanded Deviation	%S	Standard Deviation	Expanded Deviation	%N	Standard Deviation	Expanded Deviation	Lot#
KED1022	100g	24.5	0.9	1.8	11.4	0.3	0.5	NA			918A
KED1024	100g	14.1	0.7	1.6	5.5	0.3	0.7	NA			1018E