

LIGHT METALS DONE RIGHT

EXTENSIVE LIBRARY OF METAL ALLOYS

A wide range of alloys are factory-loaded onto the ChemLite analyzer to identify even uncommon alloys. A sample of the alloys for Al, Ti and Mg are listed below. If your alloy of interest is not on the list, Alloy Manager software allows new alloys to be defined and added to the library. Customize the ChemLite analyzer with your mill's alloy names and their specific chemistries, and see how ChemLite analyzers fit seamlessly into your plant's established operations.



Wrought Al Alloys	AA 3002	AA 6006	AA 7249	AA 713	Ti-Beta21S	AZ81
AA 1000	AA 3003	AA 6023	AA 8090	AA 850	Ti6Al-7Nb	AZ91
AA 1100	AA 3004	AA 6061	Al Cast Alloys	Ti Alloys	Ti52244	AZ92
AA 2007	AA 3005	AA 6063	AA 206	Ti-CP	Ti-PT3V	AZ125
AA 2011	AA 3105	AA 6066	AA 242	Ti-8Mn	Mg Alloys	K1
AA 2014	AA 4002	AA 6070	AA 319	Ti3-2.5	CP Mg	M1
AA 2017	AA 4032	AA 6082	AA 332	Ti 4-2-5	AM100	ZC63
AA 2018	AA 4043	AA 6151	AA 336	Ti5-2.5	AM60	ZC71
AA 2024	AA 4145	AA 6253	AA 339	Ti5-5-5-3	AM20	ZK10
AA 2014	AA 4343	AA 7005	AA 355	Ti6-2-1-1	AM50	ZK21
AA 2090	AA 5005	AA 7019	AA 356	Ti6-2-4-2	AS21	ZK31
AA 2091	AA 5042	AA 7029	AA 357	Ti6-2-4-6	AS41	ZK40
AA 2095	AA 5052	AA 7031	AA 358	Ti6-4	AZ10	ZK51
AA 2099	AA 5056	AA 7039	AA 380	Ti6-6-2	AZ21	ZK60
AA 2117	AA 5082	AA 7049	AA 383	Ti6-22-22	AZ22	ZK61
AA 2195	AA 5083	AA 7050	AA 384	Ti7-4	AZ30	ZM21
AA 2199	AA 5086	AA 7055	AA 390	Ti8-1-1	AZ31	ZM61
AA 2219	AA 5154	AA 7072	AA A357	Ti8-8-2-3	AZ41v	ZM20
AA 2297	AA 5182	AA 7075	AA 413	Ti10-2-3	AZ61	ZM60
AA 2324	AA 5454	AA 7076	AA 443	Ti13-11-3	AZ63	AS61
AA 2519	AA 5657	AA 7104	AA 514	Ti15-3-3-3	AZ64	AS11
AA 2618	AA 6005	AA 7149	AA 535	Ti-BetaC	AZ80	

**EXCELLENT QUANTIFICATION:
UNMATCHED LIMITS OF
DETECTION FOR A HANDHELD
LASER METALS ANALYZER**

Low limits of detection, down to 0.01%, means better distinction of close alloys and confident identification of alloy series. With high accuracy and high precision, trust the ChemLite analyzer to provide you with the right analysis..

Aluminum		
Concentration Range	Typical Accuracy (% Rel Error)	Average Precision
0.01-0.1%	<25%	<10%
0.1-1.0%	<20%	
1.0-10%	<15%	
10%+	<10%	

Aluminum	
Alloying Element	Quantification Range*
Si	0.05-20%
Mg	0.01-10%
Fe	0.05-5.0%
Cr	0.06-0.4%
Cu	0.01-10%
Zn	0.01-10%
Mn	0.01-3.0%
Ti	0.01-0.5%
Li	0.10-4.0%
Zr	0.03-0.4%

*Talk to TSI|ChemLogix if you need something custom outside of this range. ChemLite analyzers are also calibrated for tramp detection of Pb, Sn, Bi, Ag, Cd, Ni.

FOR AN ON-SITE DEMONSTRATION, CONTACT A TSI® | CHEMLOGIX™ REPRESENTATIVE BY VISITING TSI.COM/CHEMLITE OR CALL **800-874-2811**.



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