

Certificate of Analysis



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FORM NO. FRM-01888 Rev1

Description:	Alluminium Etchant 16-1-1-2		
Item Code:	200-0589	Packaging Size	1 GAL Bottle
Batch No:	AL2709243022	Customer/CMC spec:	KMG_S048.1
Manufacture Date:	27-Sep-2024	Customer Part Number:	NA
Expiry Date:	27-Sep-2025	Grade:	VLSI

Parameter	Min	Max	Unit	Result
Assay (CH ₃ COOH)	2.80	3.80	%	3.01
Assay (H ₃ PO ₄)	71.90	73.90	%	73.46
Assay (HNO ₃)	2.70	3.70	%	3.16
Water	18.60	22.60	%	20.36
Chloride (Cl)		1000	ppb	500
Antimony (Sb)		20000	ppb	2527
Arsenic (As)		500	ppb	<50
Calcium (Ca)		2000	ppb	<200
Copper (Cu)		2000	ppb	<200
Heavy Metals		5000	ppb	<500
Iron (Fe)		10000	ppb	<1000
Lithium (Li)		1000	ppb	<100
Magnesium (Mg)		5000	ppb	<500
Manganese (Mn)		500	ppb	<50
Nickel (Ni)		3000	ppb	<300
Potassium (K)		10000	ppb	<1000
Sodium (Na)		15000	ppb	<1500
Strontium (Sr)		5000	ppb	<500
0.5µ Particle Count		250	par/ml	20

Approved on: 30-Sep-2024

This certificate of analysis is electronically issued and is valid without signature

