



Electronic Chemicals, Inc.

Product Information: Aluminum Etch w/Surf NP (Phosphoric, Nitric, Acetic, Water) 16:1:1:2

Standard Package Information	
Container Type:	Drum
Fill Weight kg	300 kg

Contaminants	specifications		
Assay	HNO ₃		2.7 - 3.6 %
Assay	H ₃ PO ₄		72 - 73.9 %
Assay	CH ₃ COOH		2.8 - 3.8 %
Total	Acidity	<	15.56 - 16.3 MEQG
Water	H ₂ O		18.575 - 22.575 %
Surface Tension		<	37 DYNECM
Fluoride	F-	<	5000 PPB
Heavy Metals		<	5000 PPB
Antimony	Sb	<	20000 PPB
Arsenic	As	<	500 PPB
Calcium	Ca	<	20000 PPB
Copper	Cu	<	2000 PPB
Iron	Fe	<	10000 PPB
Lead	Pb	<	1000 PPB
Lithium	Li	<	1000 PPB
Magnesium	Mg	<	5000 PPB
Manganese	Mn	<	500 PPB
Nickel	Ni	<	3000 PPB
Potassium	K	<	10000 PPB
Sodium	Na	<	15000 PPB
Strontium	Sr	<	5000 PPB
Tin	Sn	<	10000 PPB

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