

Functional Chemical

TMAH-25 Tetramethylammonium hydroxide aqueous

TYPICAL PROPERTIES

CAS No.	75-59-2/10424-65-4		
Chemical formula	$(\text{CH}_3)_4\text{NOH} \cdot 5\text{H}_2\text{O}$		
Appearance	Colorless transparent liquid		
Specific Gravity @ 20°C	1.021		
Item	Unit	Min	Max
Assay	%	24.90	25.10
Color	Hazen		5
CO_3^{2-} (Carbonate)	ppm		100
Cl^- (Chloride)	ppm		0.1
CH_3OH (Methanol)	ppm		40
Li (Lithium)	ppb		5
Na (Sodium)	ppb		10
Mg (Magnesium)	ppb		5
Al (Aluminum)	ppb		10
K (Potassium)	ppb		10
Ca (Calcium)	ppb		10
Cr (Chromium)	ppb		5
Mn (Manganese)	ppb		5
Fe (Iron)	ppb		5
Ni (Nickel)	ppb		5
Co (Cobalt)	ppb		5
Cu (Copper)	ppb		5
Zn (Zinc)	ppb		5
Mo (Molybdenum)	ppb		5
Cd (Cadmium)	ppb		5
Pb (Lead)	ppb		5
Ag (Silver)	ppb		5
Particle >0.5um	Ea/ml		100

APPLICATION

- The catalyst of dimethyl silicone oil, benzyl methyl silicon oil, organic silicon diffusion pump oil, solvent-free silicon molding plastics, silicon rubber for organic silicone resin.
 - Ash-free alkali for precipitating lots of metal elements.
 - Brightener cleaner and touch cutting agent for computer silicon wafer surface during the production of silicon wafer.
 - Widely used in electronic industry, especially as positive resister developer, silicon wafer wet etchant and super clean solution for CMP process. Also used in the manufacture of integrated circuits, liquid crystal displays, printed circuit boards, capacitors, sensors, and many other electronic components.
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STORAGE

AND

HANDLING

- Available in 25 kg/barrel
 - Store products in tightly closed original containers at 5-40°C
 - Shelf life: 12 months from delivery date
 - According to non-dangerous goods transport
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