

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Diethylenetriaminepentakis(methylphosphonic acid) solution,50% in water

ITEM NUMBER: D115349
BRAND: Aladdin
CAS NUMBER: 15827-60-8
MDL NUMBER: MFCD00129718
FORMULA: C₉H₂₈N₃O₁₅P₅
MOLECULAR WEIGHT: 573.20

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	Tan or palm viscous liquid		
Chloride(Cl)	12 %	17 %	17 %
Density(20 ° C)	1.35 g/ml /	1.45 g/ml /	1.45 g/ml /
Fe	0 ppm	35 ppm	35 ppm
PH	0	2	2
phosphorous acid	0 %	3 %	3 %
Proton NMR spectrum	Conforms to Structure		
Purity(Titration by N-Determination according to Kjeldahl)	0 %	0 %	>=50 %
Refractive index n ₂₀ /D	1.468	1.478	1.478
Water by Karl Fischer	0 %	0 %	>=35 %