

Type in Product Names, Product Numbers, or CAS Numbers to see suggestions.

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Specification Sheet

Product Name	Diethanolamine puriss. p.a., ACS reagent, ≥99.0% (GC)
Product Number	31590
Product Brand	SIAL
CAS Number	111-42-2
Molecular Weight	105.14

TEST	SPECIFICATION
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APPEARANCE (COLOR)	Colorless or White
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APPEARANCE (FORM)	Liquid or Solid
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COLOR (IN APHA)	≤ 15 APHA
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TITRATION (T) HCL 1M	99.0 - 101.0 %
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CONTENT OF CARBONATE (T)	≤ 0.2 %
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PURITY (GC AREA %)	≥ 99.0 %
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GC MINOR COMPONENT 1 (AREA %)	≤ 1.0 %
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GC MINOR COMPONENT 2 (AREA %)	≤ 1.0 %
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MINOR COMPONENT 1	MONOETHANOLAMINE
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TEST	SPECIFICATION
MINOR COMPONENT 2	TRIETHANOLAMINE
REFRACTIVE INDEX N20/D	1.477 - 1.479
WATER	≤ 0.15 %
RESIDUE ON IGNITION	≤ 0.005 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE
Miscellaneous Assay	APPARENT EQUIVALENT WEIGHT: 104.0 -106.0
ACS SPECIFICATIONS	MEETS CURRENT ACS REQUIREMENTS
CALCIUM (ICP)	≤ 5 ppm
CADMIUM (ICP)	≤ 1 ppm
COBALT (ICP)	≤ 1 ppm
CHROMIUM (ICP)	≤ 1 ppm
COPPER (ICP)	≤ 1 ppm
IRON (ICP)	≤ 1 ppm
POTASSIUM (ICP)	≤ 20 ppm
MAGNESIUM (ICP)	≤ 1 ppm
MANGANESE (ICP)	≤ 1 ppm
SODIUM (ICP)	≤ 20 ppm
NICKEL (ICP)	≤ 1 ppm

TEST

SPECIFICATION

LEAD (ICP)

≤ 1 ppm

ZINC (ICP)

≤ 1 ppm

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