

Certificate of Analysis

SIGMA-ALDRICH®

Product Name	Dodecanoic acid, ≥99% (GC/titration)
Product Number	L4250
Product Brand	SIGMA
CAS Number	143-07-7
Molecular Formula	CH ₃ (CH ₂) ₁₀ COOH
Molecular Weight	200.32
Storage Temp	room temp

TEST	SPECIFICATION	LOT 085K0179 RESULTS
APPEARANCE	WHITE POWDER	CONFORMS
SOLUBILITY	CLEAR COLORLESS SOLUTION AT 500 MG PLUS 5.0 ML OF CHLOROFORM	CONFORMS
IR SPECTRUM	CONSISTENT WITH STRUCTURE	CONFORMS
PURITY BY SODIUM HYDROXIDE TITRATION	MINIMUM 99%	99.4%
PURITY BY GAS CHROMATOGRAPHY	MINIMUM 99%	99.6%
PRODUCT CROSS REFERENCE INFORMATION		REPLACEMENT FOR ALDRICH #153788
RECOMMENDED RETEST	2 YEARS	SEPTEMBER 2007
QC RELEASE DATE		SEPTEMBER 2005



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