

An ISO 9001:2015 Certified Company

Certificate of Analysis

Product Name	: Triethyl orthoformate GC STANDARD	Product Code	: 98230-100 ML
Batch Number	: F18M144	CAS Number	: 122-51-0
Molecular Formula	: C7H16O3	Formula Weight	: 148.20
Mfg. Month & Year	: December, 2018	Exp. Month & Year	: November, 2023

Test	Results	Specification
DESCRIPTION	Complies	Clear, Colorless - Very Pale yellow liquid.
GUARANTEE ANALYSIS		
ASSAY (GC/FID)*	99.35%	NLT 99.0%
POTENCY	99.33%	
WT/ML at 20°C	0.8935 g	0.8930 - 0.8960
REFRACTIVE INDEX AT 20°C	1.3925	1.3900 - 1.3930
IDENTIFICATION by MASS	Complies	Conforms to Molecular mass
IDENTIFICATION by 1H NMR	Complies	Conforms to structure
IDENTIFICATION BY (IR)	Complies	Conforms to structure
MAXIMUM LIMITS OF IMPURITIES		
NON - VOLATILE MATTER	0.00018%	0.0005%
WATER (by KF)	0.019%	0.1%
IMPURITY PROFILE*		
OTHER IMPURITY	0.65%	

GC/FID* Conditions :

Column: HP1 30m X 0.53 M X 5.0 μ m
 Inj vol. 0.2 μ l , Spliess , Flow 3.0 ml/min (Nitrogen)
 Inj temp. 200°C, Det.temp.250°C
 Oven Prog. : 40.0°C 5 min, Ramp:10°C/min to 220.0°C

REMARKS:

This is to certify that the above mentioned batch has been analysed at the time of quality release and has been found to be complying with the label claim/prescribed specifications.

Dr. Rashmi Ranjan Mohanty
 Director-Technical

This document has been produced electronically and valid without signature.