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PVT. LTD.**

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# Certificate of Analysis

**Product**

**39378 - Diethyl Malonate extrapure AR, 99.5% -  
[105-53-3]**

**Batch No**

**5485855**

**Analysis Date**

13-Oct-2022

**Date of Manufacture**

October 2022

**Expiry Date/Re-Test Date**

October 2027

**Molecular Formula**

C7H12O4

**Molecular Weight**

160.17

Test Parameters	Standards	Actual Results
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Assay (GC)	min. 99.5%	99.76%
Density (g/ml) @ 20°C	1.050-1.060	1.050
Refractive Index (20°C)	1.414-1.416	1.414
Boiling Range	198-201°C	Passes
Acidity (C3H4O4)	max. 0.05%	0.01%
Non Volatile Matter	max. 0.01%	0.001%
Chloride (Cl)	max. 0.001%	Passes
Sulphate (SO4)	max. 0.005%	Passes
Iron (Fe)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0002%	Passes
Copper (Cu)	max. 0.0001%	Passes
Water (KF)	max. 0.1%	0.04%

FRM/82/11/2/39378 Rev No. 1 Date 01/11/2015

Prepared by SGavhane

In compliance with the standard specifications of SRL

Plant Site 1 : D-88/2, MIDC, Turbhe – 400 705, New Mumbai, India

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