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Certificate of Analysis

Product **74841 - Formamide extrapure AR, ACS, ExiPlus™, 99.5% - [75-12-7]**
Batch No **9560363**
Analysis Date 05-Oct-2020
Date of Manufacture October 2020
Expiry Date/Re-Test Date October 2025
Molecular Formula CH3NO
Molecular Weight 45.04

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of BP, Ph.Eur	Complies
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless,oily,hygroscopic	Colourless,oily,hygroscopic
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Miscibility with water	Passes	Passes
Miscibility in Ethanol (96%)	Passes	Passes
Assay (GC)	min. 99.5%	99.80%
Density (g/ml) @ 20°C	1.132-1.134	1.132
Refractive Index (20°C)	1.446-1.448	1.446
Freezing Point	2.0-3.0°C	2.0°C
Boiling Point	210°C	210°C
Non Volatile Matter	max. 0.05%	0.0005%
Acidity (HCOOH)	max. 0.02%	0.0003%
Chloride (Cl)	max. 0.0001%	Passes
Iron (Fe)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0001%	Passes
Ammonium Formate	max. 0.1%	Passes
Water (KF)	max. 0.1%	0.03%

FRM/82/11/2/74841 Rev No. 1 Date 01/11/2015

Prepared by Nilam Halgekar

In compliance with the standard specifications of SRL

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

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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