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## Certificate of Analysis

<b>Product</b>	<b>13908 - MOPS Buffer for cell culture, 99% - [1132-61-2]</b>
<b>Batch No</b>	<b>3868435</b>
<b>Analysis Date</b>	10-Jan-2022
<b>Date of Manufacture</b>	January 2022
<b>Expiry Date/Re-Test Date</b>	January 2027
<b>Molecular Formula</b>	C7H15NO4S
<b>Molecular Weight</b>	209.26

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay	min. 99%	99.8%
pH (10% aq. solution)	3.5 - 4.0	3.7
Sulphated Ash	max. 0.1%	0.06%
Sulphate (SO <sub>4</sub> )	max. 0.002%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Absorbance (A) of 5% aq. solution in a 1cm cell v/s H <sub>2</sub> O		
@250 nm	max. 0.05	0.02
Smooth curve	230 - 350nm	Passes
Water (KF)	max. 0.5%	0.2%
Suitability for Cell Culture	Passes test	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	< 0.05 EU/mg	Passes

FRM/82/11/4/13908 Rev No. 1 Date 29/12/2021

Prepared by Amruta

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Taloja – 410 208, Maharashtra, India

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