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## Certificate of Analysis

<b>Product</b>	<b>20491 - Thiourea Superior extrapure AR, ACS, ExiPlus, Multi-Compendial, 99% - [62-56-6]</b>
<b>Batch No</b>	<b>7611594</b>
<b>Analysis Date</b>	17-Oct-2023
<b>Date of Manufacture</b>	October 2023
<b>Expiry Date/Re-Test Date</b>	October 2028
<b>Molecular Formula</b>	CH <sub>4</sub> N <sub>2</sub> S
<b>Molecular Weight</b>	76.12

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, Ph.Eur	Passes
Appearance (Colour)	White	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (Iodometric)	min. 99%	99.6%
Melting Point	174 - 177°C	176.8°C
Loss on drying	max. 0.5%	0.2%
Sulphated Ash	max. 0.05%	0.02%
Chloride (Cl)	max. 0.001%	Passes
Sulphate (SO <sub>4</sub> )	max. 0.005%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Sensitivity for Bismuth (Bi)	Passes test	Passes

FRM/82/11/4/20491 Rev No. 3 Date 22/12/2022

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

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

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