

# CERTIFICATE OF ANALYSIS

Product Description	Batch	Re-Test Date	Customer Reference
POTASSIUM SORBATE	9614	12/2025	

PARAMETERS	SPECIFICATION	RESULTS
<b>Colour and Appearance:</b>	White granules	Comparable to standard
<b>Odour:</b>	Almost odourless	Comparable to standard
<b>Heat Stability:</b>	No change in color after heating for 90 min at 105 °C	Complies
<b>Identification Test:</b>	1) Potassium test: Passes Test 2) Test of double bonds: Passes Test 3) UV: conforms with standard spectrum 4) Melting point: 133.0 - 135.0 °C	Complies Complies Complies Complies
<b>Solubility in water:</b>	1400 g/L(20 °C)	Complies
<b>pH:</b>	8.0 - 11.0	9.5
<b>Acidity (as sorbic acid %)</b>	≤ 1	0.1
<b>Alkalinity (as K<sub>2</sub>CO<sub>3</sub> %)</b>	≤ 1	0.15
<b>Chloride (as Cl %)</b>	≤ 0.018	< 0.018
<b>Sulfate (as SO<sub>4</sub> %)</b>	≤ 0.038	< 0.038
<b>Loss On Drying</b>	≤ 1.0	0.17
<b>Aldehydes (as formaldehyde %)</b>	≤ 0.1	< 0.1
<b>Arsenic (as As mg/kg)</b>	≤ 3	< 3
<b>Lead (mg/kg)</b>	≤ 2	< 2
<b>Zinc (mg/kg)</b>	≤ 0.1	< 0.1
<b>Cadmium (mg/kg)</b>	≤ 0.02	< 0.02
<b>Mercury (mg/kg)</b>	≤ 1	< 1

## DECLARATION

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