

CERTIFICATE OF ANALYSIS

RESORCINOL

Benzene-1,3-diol

Batch No.: 010052023
Molecular formula: C₆H₆O₂
Molecular weight: 110.1 g/mol

Analytical protocol No: P/2023/116

Date of manufacture: May, 2023

Retest date: Nov, 2023

Weight: 270 g

Test :	Specification :	Results :
Appearance:	colorless or slightly pinkish-grey crystalline powder or crystals, turning red on exposure to light and air	complies
Solubility: very soluble in water and in ethanol (96 per cent).		
Identification:		
A) Melting point:	109 – 112 °C	111.2 °C
B) Color reaction 1:	positive	positive
C) Color reaction 2:	positive	positive
Purity tests:		
Appearance of solution:	clear, ≤ B5 or R5	< B5
Acidity or alkalinity:	complies with the test	complies with the test
Related substances (TLC):	≤ 0.5 %	< 0.5 %
Pyrocatechol:	complies with the test	complies with the test
Loss on drying:	≤ 1.0 %	0.02 %
Sulphated ash:	≤ 0.1 %	0.01 %
Assay titrimetric:	98.5 – 101.0 %	99.9 %
Residual solvents (GC):		
- Ethanol:	≤ 5000 ppm	2847 ppm
- Benzene:	≤ 2 ppm	N.D.
Microbiological tests:		
- Total aerobic microbial count:	≤ 1000 cfu/g	≤ 10 cfu/g
- Total combined yeast/moulds count:	≤ 100 cfu/g	≤ 10 cfu/g
- Staphylococcus aureus:	absent in 1 g	absent in 1 g
- Pseudomonas aeruginosa:	absent in 1 g	absent in 1 g

Complies with the Ph. Eur. and Supplementary test

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QA

Date of signature: September 27, 2023