

## CERTIFICATE OF ANALYSIS

Product name	Salicylic acid	Manufacturing Date	2020.03.30
Batch No.	Y2003078	Test Date	2020.03.31
Batch quantity	1253kg	Issued Date	2020.04.01
Reference Spec.	BP2017/EP9.0/USP42	Expiry Date	2023.03.29
Test items	Specifications		Test Results
Characters	A white, or almost white, crystalline powder or white or colourless, acicular crystals, slightly soluble in water, freely soluble in ethanol (96 per cent), sparingly soluble in methylene chloride.		Complies
Identification	A. Melting point 158 °C to 161 °C		158.7-160.4°C
	B. The IR spectrum of sample complies with Salicylic acid CRS		Complies
Appearance of solution	Solution is clear and colourless		Clear
Chlorides	≤100ppm NMT100ppm		< 100ppm
Sulfates	≤200ppm NMT200ppm		< 200ppm
Heavy metals	≤20ppm NMT20ppm		< 20ppm
Loss on drying	≤0.5% NMT0.5%		0.03%
Residue on ignition	≤0.05% NMT 0.05%		0.03%
Related substances	4-hydroxybenzoic acid	≤0.1%	0.002%
	4-hydroxyisophthalic acid	≤0.05%	0.003%
	Phenol	≤0.02%	N.D
	Any other impurities	≤0.05%	0.005%
	Total impurities	≤0.2%	0.006%
Assay ( on dried basis )	Contains C <sub>7</sub> H <sub>6</sub> O <sub>3</sub> 99.0%-100.5%		99.6%
Conclusion	The product is tested in accordance with BP2017/EP9.0/USP42. The above items meet the requirement.		

Q.M/Date:

2020.04.01

QA Releaser/Date:

2020.04.01

Reviewer/Date:

2020.04.01

Reported by/Date:

2020.04.01