



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-255083
Lot Number: SAMPLE
Product Name: Dichlorophen
CAS Number: 97-23-4
Molecular Formula: $C_{13}H_{10}Cl_2O_2$
Molecular Weight: 269.12

Test	Specification	Result
Appearance	White to off-white pinkish powder	Off-white powder
Assay (Titration)	$\geq 97\%$	99.90%
Identification	Sodium nitrile test conforms to pass as per BP	Complies
Identification	Chloride test conforms to pass as per BP	Complies
Identification (UV)	Light absorption by UV as per BP between 220 - 350 nm	Complies
Melting Point	Reported	175 - 176 °C
Solubility	Almost soluble in water, freely soluble in ethanol, very soluble in ether	Complies
Loss on Drying	$\leq 1\%$	0.23%
Related Substances (HPLC)	4-Chlorophenol: $\leq 0.1\%$ 4,4'-Dichloro-2,2'-diphenol: $\leq 8\%$	Complies Complies
Chloride	≤ 350 ppm	Complies
Sulfate	≤ 600 ppm	Complies
Sulfated Ash	$\leq 0.1\%$	0.062%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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