



# SHANDONG OCTAGON CHEMICALS LIMITED

## CERTIFICATE OF ANALYSIS

Product name	<u>Bumetanide (Cas 28395-03-1)</u>		
Batch No.	20210101	Mfg. date	2021.01.05
Rep. Date	2021.01.12	Exp. date	2024.01.04
Packaging	1kg/tin	Batch Quantity	23.9Kg
Test Items	Standards: EP9.0		Results
Appearance	White or almost white crystalline powder		White crystalline powder
Solubility	Practically insoluble in water, freely soluble in acetone and alcohol, slightly soluble in methylene chloride. It dissolves in dilute solutions of alkali hydroxides.		Conforms
Melting point	Around 233°C		232.5~233.4°C
Identification	IR: Should correspond to RS spectrum		Conforms
Appearance of solution	The solution is clear and colorless		conforms
Related substances	Impurity A: NMT0.1%		0.01%
	Impurity B: NMT0.1%		ND
	Impurity C: NMT0.1%		ND
	Impurity D: NMT0.1%		0.06%
	Other impurity: NMT0.1%		0.04%
	Total impurities:NMT0.2%		0.11%
Loss on drying	NMT0.5%		0.2%
Sulfate ash	NMT0.1%		0.03%
Assay(On dried basis)	99.0%~101.0%		100.1%
Conclusion	It meets the requirements of EP9.0 Standards		
Storage	Store in a well-closed container at ambient temperature		
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