



西安子午生物科技有限公司
Xi'an Sonwu Biotech Co.,Ltd.

Certificate of Analysis

Product name	Betaine HCl	Manufacture date	Nov.12.2024
Batch number	SW241112	Analysis date	Nov.13.2024
Batch quantity	500kg	Expiry date	Nov.12.2026

Item	Specification	Result
Appearance	White powder	Conforms
Identification	IR: Corresponds qualitatively to the reference	Conforms
	Color Reaction: A blue color appears	Conforms
Assay	98.0%~101.0%	99.20%
Water	≤0.2%	0.03%
Residue on ignition	≤0.1%	0.02%
Residual Solvents	Ethanol ≤1000ppm	18ppm
Heavy metals	Inorganic arsenic ≤3μg/g	0.06μg/g
	Total Hg ≤3μg/g	<0.01μg/g
	Lead ≤1μg/g	0.09μg/g
Chromatographic purity	Test 1: Coenzyme Q7,Q8,Q9,Q11 and related impurities:≤1.0%	0.37%
	Test 2: 2Z isomer and related impurities:≤1.0%	0.05%
	Test 1 & Test 2: ≤1.5%	0.42%
	Test 3: The single related impurities≤0.3%	0.25%
Total Plate Count	≤1000cfu/g	Conforms
Specific rotation	≤100cfu/g	Conforms
Conclusion	Conforming to Enterprise Standard	

Packing description:	Sealed export grade drum & double of sealed plastic bag
Storage:	Store in cool & dry place. keep away from strong light and heat
Shelf life:	2 years when properly stored

Quality Assurance Officer: 李强

Corrector: 佟丽华

Analyst: 方琼



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