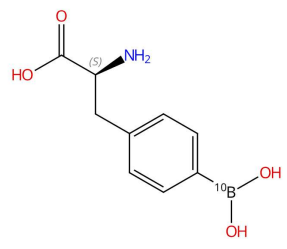


SPECIFICATION SHEET

Product Name	Borofalan(10B)	Molecular Structure
CAS No.	80994-59-8	
Molecular Formula	C ₉ H ₁₂ BNO ₄	
Molecular Weight	208.21	
Product Specification	98%~102%	
Country of Origin	China	

QUALITY SPECIFICATIONS

ITEMS	SPECIFICATIONS	METHODS
Appearance	The product is a crystalline powder and is non-hygroscopic.	Visual
melting point	271 °C~273 °C	USP<741>
Optical Rotation	-4.5° ~-8.5°	USP<781>
Identification	Consistent with the reference standard	IR
	In the chromatogram recorded under the content determination item, the retention time of the main peak of the test solution should be consistent with that of the main peak of the reference substance	HPLC
Related substances	Any individual impurity ≤0.1%	HPLC
	Total impurities ≤1.0%	
D-isomer	≤0.1%	HPLC
Boric acid	≤0.06%	IC
Residual solvent	Complies with ICH Q3D limits	GC
Loss on drying	≤0.5%	USP<731>
Heavy Metals	≤20ppm	USP<231>
Assay		
Borofalan(10B)(dry product)	98.0%~102.0%	HPLC
Microbiological		
Total Plate Count	<1000cfu/g	USP <2021>



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ITEMS	SPECIFICATIONS	METHODS
Yeast& Mold	<100cfu/g	USP <2021>

STORAGE, STABILITY & PACKAGING

Storage	Avoid light. Store in a sealed container.
Stability	24 months when properly stored.
Packaging	500g/bag, 1kg/bag, 5kg/bag