

Certificate of Analysis

Dithranol (Anthralin)

CAS No.	1143-38-0	Code	BIOJDIT001
Batch No	NDS202404010	Manufacture Date	Apr.01, 2024
Expiry Date	Mar.31, 2028	Quantity	200G

Testing Items	Specifications	Results	
Description	Yellow or brown-yellow, crystalline powder	Complies	
Solubility	Practically insoluble in water, soluble in methylene chloride, sparingly soluble in acetone, slightly soluble in ethanol(96%). It dissolves in dilute solutions of alkali-hydroxides	Complies	
Identification	A. Melting point 178°C~182°C	Complies	
	B. (IR) Comparison: Dithranol CRS		
	C. The principal spot in the chromatogram obtained in the test solution is similar in position, colour and size to the principal spot in the chromatogram obtained with reference solution on(a)		
	D. Examined in ultraviolet light at 365nm, the solution shows a blue fluorescence		
Loss on drying (w/w)	Not more than 0.5%	0.232%	
Sulfated ash	Not more than 0.1%	0.031%	
Chlorides	Not more than 100ppm	Complies	
Related substances	Test A	Impurity A(anthrone) ≤ 1.0%	0.0020%
		Impurity B(dantron) ≤ 1.0%	0.7348%
		Impurity C(dithranol dimer) ≤ 1.0%	Not detected
	Test B: Impurity D(1-hydroxy-9-anthron) ≤ 2.5%	0.0437%	
	Total (Test A+Test B) ≤ 3.0%	0.7841%	
Assay	98.5%~101.0%(Calculated on the dried basis)	100.13%	
Conclusion	This product conforms to EP standard		

***Storage condition: Store below 25°C, Protect from moisture and light.**