

G. AMPHRAY LABORATORIES

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CERTIFICATE OF ANALYSIS

Name of Product	:	PHTHALYLSULPHATHIAZOLE BP / EP	Date of Receipt	:	04.02.2007
Batch No.	:	PH 157/07	Date of Analysis	:	04.02.2007
Date of Manufacture	:	February, 2007.	Sample Size	:	100 Grams
Date of Expiry	:	January, 2012.	Q. C. No.	:	G-06/1535
Batch Size	:	1,100 KGS.			

RESULTS OF ANALYSIS

TESTS	RESULTS	LIMITS
Description	A white crystalline powder.	A white or yellowish white crystalline powder.
Solubility	Complies.	Freely soluble in Dimethylformamide, practically insoluble in water, slightly soluble in acetone and in alcohol.
Second Identification		
Test B	The melting point of crystals after drying at 100 ° C to 105 ° C is 201.4 ° C.	Between 200 ° C to 203 ° C.
Test C	Complies.	Black stain produced on lead Acetate Paper.
Test D	Complies.	An intense green fluorescence appears which disappears on acidification.
Test E	Complies.	A reaction of primary aromatic amines with formation of an orange precipitate.
Appearance of solution	Complies.	A 5 % w/v solution in 1 M NaOH is clear and not more intensely coloured than reference solution BY5.
Acidity	0.12 ml of 0.1 M NaOH	Not more than 0.2 ml
Sulphathiazole & Other primary aromatics amines	Complies	As per B.P. 2002.
Heavy Metals	< 20 ppm	Not more than 20 ppm
Loss on Drying	1.69 %	Not more than 2.0 %
Sulphated Ash	0.030 %	Not more than 0.1 %
Assay (On Dried Basis)	99.43 % C ₁₇ H ₁₃ N ₃ O ₅ S ₂	Between 98.5 % to 101.5 %

Additional Tests

1) Particle Size on Tyler Machine :

MICRON	MESH	% PASSING THROUGH
	35	100 %
	50	91.60 %

2) Bulk Density after 50 Tapped = 0.68 g/ml

REPORTS : THE ABOVE BATCH COMPLIES WITH THE PRESCRIBED STANDARDS OF QUALITY AS PER B.P. 2007 / E.P. 2004.

Certified True Copy
For G. AMPHRAY LABORATORIES

AUTHORISED SIGNATORY