



Bharat Chemicals

(An ISO 9001: 2008 CERTIFIED COMPANY)

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CERTIFICATE OF ANALYSIS

AR No.	PC / 2021-2022 / 0182	Drug L. No. -	KD-403 / w.e.f Dt. 1/10/2012
Name of The Product	PARACETAMOL IP		
Batch No.	400182	Batch Size	3000KGS
Date of Manufacture	June 2021	Date of Expiry	May 2026
Date of Sampling	05/06/2021	Date of Analysis	07/06/2021
Sample Qty for Analysis	75 gms	Date of Release	07/06/2021

RESULTS OF ANALYSIS AND PROTOCOLS OF TEST APPLIED AS PER I.P.2018." PARACETAMOL " PAGE NO. 2853 & 2854

Sr.No.	TESTS	OBSERVATIONS	SPECIFICATION
1	Description	White crystalline powder.	White crystals or a white, crystalline powder.
2	Solubility	Complies	Freely soluble in ethanol (95%) and in acetone, sparingly soluble in water, very slightly soluble in dichloro - methane and in ether.
D)	Reaction of acetyl groups	Complies	After 2 minutes, a blue colour develops at the junction of the two drops & the colour intensifies and persist for a short time.
B)	U.V. Absorbance	0.441	The absorbance at the maximum at about 249 nm, about 0.44.
C)	Chemical Reaction	Complies	A violet colour develops which does not turn red.
3	Identification		
4	Related substances By HPLC		
a)	Impurity J (chloroacetanilide)	Not Detected	NMT - 10 ppm
b)	Impurity K (4 - aminophenol)	5.0 ppm	NMT - 50 ppm
c)	Impurity F (4 - nitrophenol)	Not Detected	NMT - 0.05 %
d)	Any Other impurity	Not Detected	NMT - 0.05 %
e)	Total of other impurities	Not Detected	NMT - 0.1 %
5	Heavy metals	Complies	Not more than 10 ppm
6	Sulphated Ash	0.036 %	Not more than 0.1 %
7	Loss on drying (at 105°C)	0.16 %	Not more than 0.5 %
8	Assay	99.82 %	Not less than 99.0% and Not more than 101.0% C ₈ H ₉ NO ₂ on dried basis.

OPINION : The above sample Complies with IHTM & IP Specification.

Rec. document No. : BRF/QC-14.1

This is computer Generated COA so digital signature is not required

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