

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	Paracetamol
2. CAS Number	103-90-2
3. Formula	C ₈ H ₉ NO ₂
5. Batch No & Mfg. Date	As mentioned on Label
6. Date Of Exp	3 Years From MFG Date

SN	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.
a)	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.
3	Identification		
a)	U.V. Absorbance	0.449	The absorbance at the maximum at about 249 nm, about 0.44.
b)	Chemical Reaction	Complies	A violet colour develops which does not turn red.
4	Related substances by HPLC		
a)	Impurity J (chloroacetanilide)	Not Detected	NMT – 10 ppm
b)	Impurity K (4-aminophenol)	2.4 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	NMT – 10 ppm
6	Sulphated Ash	0.04%	NMT – 0.1 %
7	Loss on drying (at 105°C)	0.17%	NMT – 0.5 %
8	Assay	100.08%	NLT – 99.0% & NMT – 101.0% C ₈ H ₉ NO ₂ on dried basis