

# ULTRA

## CERTIFICATE OF ANALYSIS

**PRODUCT : IBUPROFEN BP**

TEST	RESULT	PRESCRIBED
Characters	White crystalline powder	A white or colorless crystalline powder.
Solubility	Complies	Freely soluble in Acetone, chloroform, methanol & ether practically insoluble in water. It dissolves in dil. sol. of alkali hydroxide & carbonate.
Identification	Complies Complies Complies 76 ---78°C	By UV By IR By TLC Melts bet. 75 -- 78°C
Appearance of solution	Complies	Clear & Colorless
Optical rotation	Complies	+0.05 and -0.05°
Related substances	Complies	By HPLC
Heavy metals	Complies	NMT 10ppm
Loss on drying	0.15 % w/w	NMT 0.5% w/w
Sulphated ash	0.020% w/w	NMT 0.1% w/w
Assay	99.52% w/w	NLT 98.5% w/w of C <sub>13</sub> H <sub>18</sub> O <sub>2</sub> calculated with reference to the dried substance.
<u>Additional test</u>		
Bulk density	0.603 gm/ml	NLT 0.58 gm/ml

The above material complies with respect to prescribed standard.

## ULTRA CHEMICAL WORKS

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