

SPECIFICATION

Product Name: Paracetamol IP Grade (Meghmani)
Chemical Formula: C ₈ H ₉ NO ₂
CAS Number: 103-90-2
Molecular Weight: 151.17 g/mol
Appearance: White crystalline powder.
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Identification by IR	-	Complies	The infrared absorption spectrum of sample should be concordant with the reference spectrum of Paracetamol.
Heavy metals	PPM	Complies	NMT 10 PPM
Sulphated Ash	%	0.05% w/w	NMT 0.1% w/w
Loss on drying	%	0.20% w/w	NMT 0.5% w/w
Assay on dried basis (By Titration)	%	99.9% w/w	NLT 99.0% and NMT 101.0% w/w
Related substances (by HPLC)			
Chloroacetanilide	PPM	Not Detected	NMT 10 PPM
4-aminophenol	PPM	8 PPM	NMT 50 PPM
4-nitrophenol	%	0.01%	NMT 0.05%
Any other impurity	%	0.01%	NMT 0.05%
Total of other impurity	%	0.01%	NMT 0.1%

Physical Properties

- Solubility: Soluble in water. Soluble in ethanol. Soluble in methanol. Soluble in acetone.
Insoluble in ether. Soluble in chloroform.

Shelf Life & Storage

- Shelf Life: 5 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed container in a cool, dry, and well-ventilated place, protected from moisture, heat, light, and contamination.

Applications

- Use: Widely used in analgesic (pain reliever) and antipyretic (fever reducer). It is one of the most commonly used medicines for the symptomatic relief of pain and fever.
- Dosage: Depends on Patient's age, Body weight, Severity of pain or fever, Medical condition, Liver function, Concomitant medications.

Packaging

- Standard Packing: 25 Kg woven pp bag with inner liner or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.
* Specifications are based on the manufacturer's provided specifications.