

Acetaminophen



KIMYAGARAN
Emrooz
Chemical Industries Co.

Technical Data Sheet



Acetaminophen

Chemical Name:

N-acetyl-para-aminophenol

Trade Name:

Acetaminophen

Introduction:

Acetaminophen is a pain reliever and a fever reducer. Common conditions that acetaminophen treats include headache, muscle aches, arthritis, backache, toothaches, colds, and fevers. Acetaminophen was first made in 1877. It is the most commonly used medication for pain and fever in both the United States and Europe.

General Applications:

Acetaminophen is used in various forms such as tablet, drops, suppository, oral syrup, It is also employed in drug formulations with other APIs like antihistamines in order to reduce fever, relieve pains and decrease cold symptoms.

Safety, Handling & Storage:

Full information on the safety, handling and storage of acetaminophen is available in the corresponding Material Safety Data Sheet ([MSDS](#)).



N-acetyl-para-aminophenol

Trade Name: **Acetaminophen**

Specification

TEST	STANDARD	Unit	Ref
IR spectra	Spectrum obtained with standard Acetaminophen	–	USP41-NF36
Organic Impurities	Acetaminophen Related Compound B NMT 0.05%	% wt	USP41-NF36
	Acetaminophen Related Compound C NMT 0.05%		
	Acetaminophen Related Compound D NMT 0.05%		
	Acetaminophen Related Compound I NMT 0.001%		
	Individual unspecified Impurity NMT 0.05%		
	Total Impurities NMT 0.1%		
Loss on drying	Max 0.5	% wt	USP41-NF36
Residue on Ignition	Max 0.1	% wt	USP41-NF36
Assay(on the dried basis)	98 – 102	% wt	USP41-NF36
LIMIT OF FREE 4-AMINOPHENOL	NMT 0.005	% wt	USP41-NF36
Heavy metals	Max 10	ppm	USP41-NF36
Residual solvents	Defined as Organic volatile chemicals	ppm	USP41-NF36

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