

PHARMA APPLICATION LEAFLET

#18/01/ 007

Paracetamol Oral Suspension (120 mg/5 ml)

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Abstract

Paracetamol suspension is used for the treatment of mild to moderate pain including headache, migraine, neuralgia, toothache, sore throat, period pains etc. It is also used to treat fever and to be used as an adjunctive treatment to relieve symptoms of cold and flu. Unpleasant taste of paracetamol can be masked by using sugar or flavor. Oral suspension of paracetamol is suitable

for the children who are having difficulties in swallowing tablet/capsule.

HiCel™MCG 591 is widely used as a suspending agent. It generally prevents sedimentation and aggregation of API. It is the most suitable co-processed excipient to prepare suspensions. It conveys high viscosity and improves physical stability.

Ingredient composition

Sr.No.	Ingredient	W/W %	g/batch
1.	HiCel™MCG 591	1.4	14.00
2.	Paracetamol	2.4	24.0
3.	Sodium Methyl Paraben	0.16	1.60
4.	Sodium Propyl Paraben	0.08	0.80
5.	Sugar	20	200
6.	Sorbitol 70%	6.25	62.50
7.	Citric Acid	0.06	0.60
8.	Color	0.05	0.50
9.	Flavor	q.s.	q.s.
10.	Water	q.s. to make 1000 ml	
Total		100	1000

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Equipment

Sr.No.	Name of equipment	Model/ make
1.	High Speed Stirrer	REMI
2.	Weighing balance	MS204S/A01/ Mettler Toledo

Procedure

Activate HiCel™MCG 591 to 2/3 of the water and stir it with low shear force until no lumps are visible. Keep the suspension for 10 min. Stirr the suspension with high shear force for 15 min afterwards. Add other ingredient at constant low shear force stirring.

Suspension characteristic

Sr. No.	Parameters	Result
1.	Description	Orange colored, opaque & homogeneous suspension.
2.	Color and Flavor	Orange
3.	pH	6.47
4.	Density	1.124 g/ml
5.	Suspension type	Flocculated

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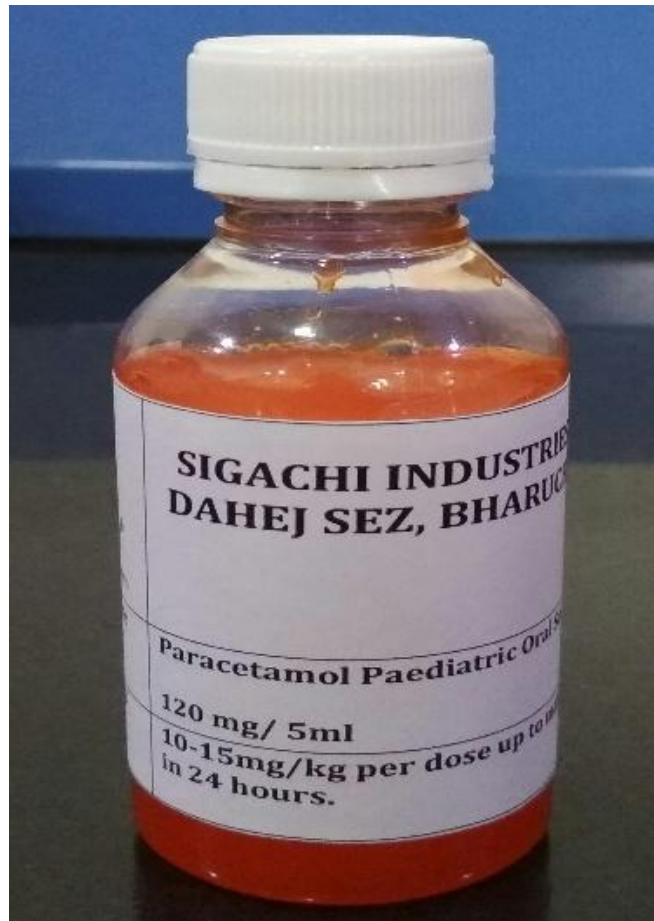


Fig.1. Paracetamol Oral Suspension

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