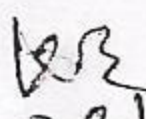
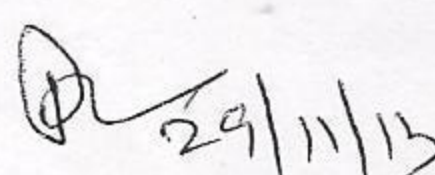
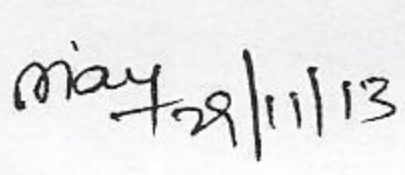


**Manufacturing Site**

Granules India Limited,  
H.No. 6-5 & 6-11,  
Temple Road, Bonthapally,  
Medak Dist. – 502 313.  
Andhra Pradesh, INDIA.



**CERTIFICATE OF ANALYSIS**  
**PARACETAMOL- IP**

Batch No. : APAP/13112090	Mfg. Date : Nov.2013	
Batch Qty. : 5063 Kg	Exp. Date : Oct.2018	
A.R. No. : PC-2346/1113		
TEST	SPECIFICATION	RESULT
1. Description	White crystals or a white, crystalline powder.	A white, crystalline powder.
2. Solubility	Freely soluble in ethanol (95%) and soluble in acetone; sparingly soluble in water; very slightly soluble in dichloromethane and in ether.	Complies
3. Identification A.IR Spectrum	Test IR Spectrum should match with Std. IR Spectrum	Complies
4. 4-Aminophenol	Not more than 50 ppm	Less than 50 ppm
5. Related substances (HPLC) Impurity J (P-chloroacetanilide) Impurity K(p-Amino phenol) Impurity F (p-Nitro phenol) Any Other impurity Total of other impurities	Not more than 10 ppm Not more than 50 ppm Not more than 0.05% Not more than 0.05% Not more than 0.1%	Not Detected 2.09 ppm Not Detected 0.001% <0.01%
6. Heavy metals	Not more than 10 ppm	Less than 10 ppm
7. Sulphated ash	Not more than 0.1%	0.05%
8. Loss on drying	Not more than 0.5%	0.17%
9. Assay (ODB)	99.0 to 101.0%	99.6%
Report : The product complies with the specification of IP		
Storage Condition: Preserve in tight, light –resistant containers, and store at room temperature.Protect from moisture and heat.(Ref.USP)		
Prepared By	Approved By	Released By
 29/11/13	 29/11/13	 29/11/13
K.Brahmaiah Executive -QC	P.Harinath Asst.Manager -QC	N.Ajaykumar Executive-QA