

BULK / TAPPED DENSITY TEST REPORT

Product Name	PARACETAMOL_50 MG		
Batch No.	tp-bt-09	Department	QC
BFG Code No.	PARA_TAB001	Date	29.12.2025
Method	USP II	Start Time	11:38:40
Bulk Std. Lower Limit (g/ml)	0.10	Bulk Std. Upper Limit (g/ml)	0.70
Tapped Std. Lower Limit (g/ml)	0.50	Tapped Std. Upper Limit (g/ml)	0.90
Tapped Density Apparatus Code No.	TD002	Stage	Granulation

1 .BULK DENSITY :

Quantity of the test sample taken(A) : 41.0 g

The volume occupied(Vo) : 59.0 ml

$$\text{Bulk Density} = \frac{\text{Quantity of the test sample}}{(\text{Vo})} = \frac{41.0}{59.0} = 0.695 \text{ g/ml}$$

2 .TAPPED DENSITY :

Quantity of the test sample taken(A) : 41.0 g

Number of tap count set : 10 + 500 + 1250 + 1250

The tapped volume (Va) : 52.0 ml (Volume after 10 tapping)

(Vb) : 50.0 ml (Volume after 500 Additional tapping)

(Vc) : 47.0 ml (Volume after 1250 Additional tapping)

* Note: If difference between Vb and Vc exceeds 2 ml ,repeat 1250 Tapping.

(Vd) : 46.0 ml (Volume after 1250 Additional tapping)

$$\text{Tapped Density} = \frac{\text{Quantity of the test sample taken}}{(\text{Vc}) \text{ or } (\text{Vd})} = \frac{41.0}{46.0} = 0.891 \text{ g/ml}$$

Result: Complies**Performed by** : yogita**Date & Time** : 29.12.2025 & 11:38:40