

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	15:54:21
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) : 90.005 g

The volume occupied(Vo) : 105.006 ml

$$\text{Bulk Density} = \frac{\text{Quantity of the test sample}}{(\text{Vo})} = \frac{90.00}{105.0} = 0.8506 \text{ g/ml}$$

2 .TAPPED DENSITY :

Quantity of the test sample taken(A) : 90.005 g

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

The tapped volume (Va) : 100.066 ml (Volume after 10 tapping)

(Vb) : 90.077 ml (Volume after 500 Additional tapping)

(Vc) : 80.555 ml (Volume after 1250 Additional tapping)

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

(Vd) : 75.003 ml (Volume after 1250 Additional tapping)

$$\text{Tapped Density} = \frac{\text{Quantity of the test sample taken}}{(\text{Vc}) \text{ or } (\text{Vd})} = \frac{90.005}{70.063} = 1.2836 \text{ g/ml}$$

Result: **Not Complies**
Performed by : yogita

Date & Time : 29.12.2025 & 15:54:21