

Master Batch Record (MBR) - Bulk

Structured Word template with recording fields for general and product-specific GMP requirements

1. Document Control

Document No.	A0001	Version	1.0
Effective Date	01.03.2026	Review Date	01.01.2026
Prepared By	MF Esua	Reviewed By	Macniell
Approved By	Mac	Supersedes	Not applicable
Product	Veracylglycan	Dosage Form	Tablets
Batch Size	2500 Tablets	Theoretical Yield	2500

2. Batch Identity, Scope, and Document Set Completeness

Checks before start	Fill out information	Status	Signature/Date
Batch number, product code, strength, dosage form	3AB, 123, 40mg Tablet, Veracylgly	Yes / No	SM / 24/03/26
API identity verified	✓	Yes / No	EM / 24/03/26
Manufacturing, packaging, testing, contract site(s) identified	✓	Yes / No	EM / 24/03/26
Current approved master manufacturing instructions available	✓	Yes / No	EM / 24/03/26
Current approved test methods and specifications available	✓	Yes / No	EM / 24/03/26
Current approved packaging instructions available (if applicable)	✓	Yes / No	EM / 24/03/26
Executed record issued from current approved master version	✓	Yes / No	EM / 24/03/26
All pages present, no unexplained blanks, legible entries	✓	Yes / No	EM / 24/03/26
Required signatures / initials / dates complete	✓	Yes / No	EM / 24/03/26

3. Material Formula and Component List (BOM)

Material (Lot No.)	Function	Std. Qty	Tolerance	Status	Signature /Date
Paracetamol (12D-00)	API	100.0 kg	95 – 100.0 kg	Released / Q-Rel	MES / 24/03/26
Microcryst. Cellulose (M1-00)	Excipient	830.0 kg	820 – 840.0 kg	Released / Q-Rel	MES / 24/03/26
NaHCO ₃ (N1-A0)	Excipient	50.0 kg	48 – 52.0 kg	Released / Q-Rel	MES / 24/03/26
Mg-Stearate (MG1-00)	Lubricant	25.0 kg	23 – 26 kg	Released / Q-Rel	MES / 24/03/26
SiO ₂ (SO-12D)	Disperser	5.0 kg	4 – 6.0 kg	Released / Q-Rel	MES / 24/03/26

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4. Equipment and Utilities

Equipment	ID	Status	General Requirement	Signature/Date
Mixer	AB	Clean / Cal. / Qualified	Not overdue / acceptable	MES / 24/03/26
Granulator	CD	Clean / Cal. / Qualified	Not overdue / acceptable	MES / 24/03/26
Fluid bed dryer	EF	Clean / Cal. / Qualified	Not overdue / acceptable	MES / 24/03/26
Tabletting machine	GH	Clean / Cal. / Qualified	Not overdue / acceptable	MES / 24/03/26
Bulk container	IS	Clean / Cal. / Qualified	Not overdue / acceptable	MES / 24/03/26
Blister machine	KL	Clean / Cal. / Qualified	Not overdue / acceptable	MES / 24/03/26
HVAC	MP	Cal. / Qualified	Not overdue / acceptable	MES / 24/03/26
Rooms	OP	Clean / Cal. / Qualified	Not overdue / acceptable	MES / 24/03/26

5. Pre-Execution Clearance

Pre-Start Check	Status	Evidence / Reference	Signature/Date
Area / line clearance completed	Pass / Fail	102	Sr / 24/03/26
Previous product / labels / documents removed	Pass / Fail	103	Sr / 24/03/26
Environmental conditions acceptable	Pass / Fail	104	Sr / 24/03/26
Operators trained / authorized	Pass / Fail	105	Sr / 24/03/26
Correct electronic system / MBR version in use	Pass / Fail	106	Sr / 24/03/26
No blocking deviation / maintenance issue	Pass / Fail	107	Sr / 24/03/26

6. Master Process Steps and In-Process Recording

Use one row per manufacturing step. Add rows as needed for dispensing, synthesis, granulation, blending, drying, compression, filling, filtration, or packaging.

Step No.	Process Step	Target	Theoretical Limit	Actual	Acceptance Criteria	Comments / Exceptions	Signature/Date
1	Dispensing	All components weighed in the right quantities acc. with the section 3	s. section 3	✓	Within Theoretical limits	✓	Sr / 24/03/26
2	Mixing/Compounding	-Homogeneous	N/A	✓	Homogeneous white powder	✓	Sr / 24/03/26
3	Granulation	Particle sizes distribution	250 – 850µm	500 – 700µm	Meeting granules particle size specification	✓	Sr / 24/03/26
4	Drying	Lost on Drying	3 – 5%	4%	Within Theoretical limits	✓	Sr / 24/03/26
5	Tabletting	Hardness	60 – 80 N	70 N	Within Theoretical limits	✓	Sr / 24/03/26

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7. In-Process Controls (IPC)

IPC Parameter	Stage	Frequency	Target	Limits	Result	Signature/Date
Assay/Content	Granules	N/A	100 %	95 - 100 %	98.4%	ME 24/03/26
LOD	Granules	N/A	5%	4 - 6%	4%	ME 24/03/26
Weight	Tabletting	15 - 30 min	500 mg	450 - 550 mg	500 mg	ME 24/03/26
Hardness	Tabletting	30 - 60 min	60 N	50 - 70 N	65 N	ME 24/03/26
Thickness	Tabletting	30 - 60 min	5 mm	4 - 6 mm	5 mm	ME 24/03/26
Friability	Tabletting	Start/end of batch	0.5%	0 - 1.0%	0.5%	ME 24/03/26
Desintegration	Tabletting	Start/Middle/End	10 min	5 - 15 min	10 min	ME 24/03/26
Appearance	Tabletting	Continuous	White	N/A	White	ME 24/03/26

8. Yield and Reconciliation

Stage	Theoretical	Range / Limit	Actual	Reconciliation / Investigation Note	Signature / Date
Dispensing	100%	95 - 100 %	100%	/	ME 24/03/26
Compounding	100%	98 - 100 %	100%	/	ME 24/03/26
Drying	100%	95 - 100 %	98%	/	ME 24/03/26
Compression/Tableting	100%	98- 100 %	100%	/	ME 24/03/26
Packaging	100%	95 - 100 %	98%	/	ME 24/03/26
Final yield	100%	95 - 100 %	100%	/	ME 24/03/26

9. Sampling and QC Link

Sample/Material	Qty	Parameter	Specification	Result	Signature/Date
Paracetamol	5 g	- Assay - impurities - H2O - Appearance - Identity	- 95 - 100% - 0.1 - 2 % - 1 - 3 % - White powder - IR - Spectrum	- 98.4% - 1.5% - 2% - white - passed	St 24/03/26 ME 24/03/26 St 24/03/26 St 24/03/26 St 24/03/26
Microcryst. Cellulose	2 g	- Appearance - Identity	- White powder - IR - Spectrum		
NaHCO3	1g	- Appearance - Identity - PH	- White powder - IR - Spectrum - 7-8		ME
Mg-Stearate		- Identity	- IR - Spectrum	passed	
SiO2		- Identity	- IR - Spectrum	passed	24/03/26

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10. Deviations, OOS/OOT, Nonconformances, and Change Control Impact

Ref. No.	Issue / Event	Status	Impact on Batch	Signature /Date
1 Dev- 01	Mixing time was longer as required 1 hr instead of 45 min.			
2 Dev-02	Clean hold time of compounding container was exceeded			

12. Primary Packaging

Packaging Check	Target	Actual	Evidence / Reference	Signature/Date
Packaging instruction / artwork version	Available		DC	
Line clearance before start	Done		CD	
Coding: batch / expiry / serialization	Done		FF	
Printed component reconciliation	Done		FF	
Seal / closure / count / print check	Done		CF	
Final pack examination	Done		SI	

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