COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED
CIN: U21009KA2023PTC179006
Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.
Email: info@scimplify.com
Website:www.scimplify.com

CERTIFICATE OF ANALYSIS

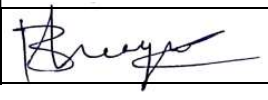
Material/Product Name	CLOPIDOGREL BISULFATE USP		
Batch Number	MSCBP02125	Quantity	100.00 gm
Mfg. Date	Jan-2025	Retest date	Dec-2030

S. No.	Test Parameter	Specification	Result
01	Description	A White to off-White Powder	off-White powder
02	Solubility	Freely soluble in Methanol, Sparingly soluble in methylene chloride, Practically insoluble in ethyl ether and water at pH neutral.	Complies
03	Identification - IR	The IR Spectrum of Sample concordant with that of working standard spectrum	Conforms
	Identification - HPLC	The retention time of the major peak of the sample solution corresponds to that of the standard solution as obtained 1 in the Assay	Conforms
	Identification - Sulfate	It responds to the test for sulfate	Conforms
04	Loss on drying at 105°C	Not more than 0.50% w/w	0.32% w/w
05	Residue on Ignition	Not more than 0.10% w/w	0.05% w/w
06	Related compounds (by HPLC)		
	Related Compounds - A	NMT 0.20%	Not Detected
	Related Compounds - B	NMT 0.30%	Not Detected
	Related Compounds - Other Impurity	NMT 0.10%	0.07%
	Related Compounds - Total Impurities	NMT 0.50%	0.12%
07	Related Compound C	Not more than 0.50%	0.43%
08	Assay on dried basis (HPLC)	NLT 97.00% and NMT 101.50%	99.60%
	Additional tests:		
09	Melting Range	Between 175°C to 178°C	176°C to 177°C

Manufactured By: Aptra synthesis Private Limited.Plot No. 233 to 238, APIIC, Growth Centre, Thumakunta (Village), Hindupur (Mandal), Sri Satya Sai (District), Andhra Pradesh - 515 211

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10	Specific Optical Rotation (on dried basis)	Between +53° to +58°	+55.2°
11	Bulk Density	For information	0.67 g/ml
	Tap Density	For information	0.81 g/ml
12	Residual Solvents by GC		
	Methanol	Not more than 3000 ppm	Not detected
	Acetone	Not more than 5000 ppm	610 ppm
	Dichloromethane	Not more than 600 ppm	Not detected
	Toluene	Not more than 890 ppm	Not detected
13	Particle Size		
	Particle Size 90%	Less than 225 µ	135 µ
	Particle Size 50%	Less than 100 µ	53 µ
	Particle Size 10%	Less than 10 µ	7.53 µ
14	Microbial Analysis		
	Bacterial Count	≤ 1000 ufc/g	Below 1000 ufc/g
	Fungus Count	≤ 100 ufc/g	Below 100 ufc/g
	Candia spy/ Salmonella sp	Absent	Absent
	Staphylococcus aureus	Absent	Absent
	Pseudomonas aeruginosa	Absent	Absent
	Enterobacteriaceae	Absent	Absent
Remarks: The material Complies with the above specification			
Storage Condition: In an airtight container or bag, protected from light at ambient condition.			

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Name	Karthik V Suvarna	Ganesh Pawar	J. Bhargava Chowdary
Date	31/01/2025	31/01/2025	31/01/2025
Sign			

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