



ALM India Pvt. Ltd.

Biosurfact 7026 : A Domestically Produced High Purity Sodium Lignosulphonate Powder for the Concrete Admixtures Industry

Biosurfact 7026 is a high-purity lignosulphonates material especially formulated for use as water reducers in concrete. This product is now being industrially produced in India in powder form using state-of-the-art proprietary and patented Swiss technology. ALM India Pvt. Ltd. exclusively markets and promotes this product.

Properties of Biosurfact 7026

Appearance	Brown powder
Sugars (on dry solids)	< 5%
pH (10% slurry)	7- 9
Bulk Density	~ 0.40 kg/L
Solids	> 95 %
Chlorides ion content	< 0.1%
Sodium (on dry solids)	8 – 11 %
Sulfur (on dry solids)	6 – 8 %

Biosurfact 7026 has relatively low sugar content. Relative to conventional lignosulphonates it shows lower retardation and equal or better performance even at lower dosage. Biosurfact 7026 conforms to the requirements of IS 9103 for water reducers admixtures.

Our 40% solution of biosurfact 7026 has been widely acceptable to Indian clients which motivate us to produce powder in order to offer a more versatile product and to save money on transportation cost.

Performance of Biosurfact 7026 in Concrete

Property	IS 9103 requirement relative to reference	Biosurfact 7026
	Water Reducer Type	(0.2- 0.4% on cement, dry admixture basis)
Water content	< 95%	80%
Air content	Not specified	0.5- 0.9 % points above
Slump	Not specified	Comparable
Initial setting time	+/- 60 minutes	+50 minutes above
Final setting time	+/- 60 minutes	+30 minutes above
3-days compressive strength	>110%	125-155 %
7-days compressive strength	>110%	125-145 %
28-days compressive strength	>110%	115-125 %

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