

Marabond 21 Powder

Marabond 21 is a calcium lignosulfonate used primarily as a dispersant in oil well cementing applications.

Sales Specifications

	<u>Minimum</u>	<u>Maximum</u>	<u>Test Method</u>
pH (3% Solution)	8.0	--	QC-002
% Moisture	3.0	8.5	QC-015

Only active customers are notified of specification changes.

Typical Analysis*

Chemical Data

10.0	pH
1.8%	Sodium
8.1%	Calcium
4.8%	Sulfonate Sulfur
6.0%	Total Sulfur
0.0%	HPLC Sugars

Physical Data

Color:	Brown
Properties:	7.0% Moisture
	40 lbs./ft ³ Bulk Density

*The above analyses are not formal specifications and values may change.

Storage Stability: Under dry conditions, powder products remain stable for several years.

Compatibility: Lignosulfonates are compatible with anionic and non-ionic materials, dispersants, wetting agents and most organic and inorganic materials.

Packaging: Powder is packaged in 50 lb. net weight multi-wall kraft bags or non-returnable bulk bags.

Lead Time: Two weeks lead time is typical.

Material Safety Data Sheets are available upon request.

Please contact your LignoTech Sales Representative for additional product information.

Spec No: A-417 Effective Date: 07/18/85 Revision Date: 09/23/88 Revision: 0 Approved By: CRD

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