



<b>Borregaard AS</b> P.O BOX 162 NO-1701 Sarpsborg, Norway	Tel. +47 69 11 80 00 Fax. +47 69 11 87 90	Vanisperse A Powder Spec. No.: BRGQMS-7-569 ver 3.0 Revision Date: 13.06.2017 Page 1 of 1
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## Vanisperse A

### Product Description

Vanisperse A is a highly modified sodium lignosulfonate derived from spruce (softwood). Vanisperse A is a dark brown, water-soluble powder.

Typical application: Organic expander constituent in lead acid batteries.

CAS No. 8061-51-6 (Sodium lignosulfonate).

### Sales Specifications

		Test Method
Dry matter %	Min. 93.0	BRGQMS-7-921
pH (10% Solution)	7.5 ± 0.5	BRGQMS-7-919
Insolubles (w/w) %	Max. 0.07	BRGQMS-7-918
Ash %	Max. 23.0	BRGQMS-7-917
Calcium ppm	Max. 3000	
Chromium ppm	Max. 5	
Copper ppm	Max. 340	
Iron ppm	Max. 30	
Magnesium ppm	Max. 1800	
Manganese ppm	Max. 10	
Nickel ppm	Max. 10	

Only active customers are notified of specification changes.

### Typical Analytical Values\*

#### Chemical Data

Parameter	Unit
Platinum	< 1 ppm
Cobalt	< 0.1 ppm
Vanadium	< 0.4 ppm

#### Physical Data

Parameter	
Colour	Dark brown

\*The above analyses are not formal specifications, and values may change.  
All values calculated on solids where applicable.

### Storage Stability

Vanisperse A is stable for at least 4 years when stored in original packaging under dry conditions.

### Compatibility

Compatible with most organic and inorganic materials.

### Delivery form

Powder is packaged in 25 kg bags or 500 kg non-returnable bulk bags.

**Lead Time:** Two weeks lead time is typical.

**Safety Data Sheets** are available upon request.

### Please contact your LignoTech Sales Representative for additional product information.

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