

CIMBAR

Performance Minerals

BariScan Elite & Ultra (Preliminary)

Chemically Purified White Barite

BariScan barite products are produced using a proprietary chemical process to enhance the purity of the natural barium sulfate ore. BariScan Elite and BariScan Ultra barite meets and exceeds the requirements for barium sulfate of the United States Pharmacopeia (USP) and European Pharmacopeia (EP). Barium Sulfate is Affirmed GRAS (Generally Recognized As Safe) by the US FDA (21 CFR 175.105, 175.300, 175.380, 175.390, 176.170, 177.1210, 177.1350, 177.1460, 177.2600, 182.99). BariScan barite is manufactured in Chatsworth, GA under stringent quality assurance procedures and Good Manufacturing Practices (GMP). The Chatsworth Pharmaceutical Plant is registered with the US FDA as an Active Pharmaceutical Ingredients manufacturer.

Typical Physical Properties		
Product Name:	BariScan Elite	BariScan Ultra
% Barium Sulfate	98	98
Median Particle Size: Microns	1	10
Top size: Microns	12	40
% Passing - 325 Mesh Screen	100%	99.5%
pH approx.	5	5
Hegman Fineness	7.0	4.5
Specific Gravity	4.4	4.4
Oil Absorption	TBD	TBD
Whiteness (L) %	96	95

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25 Old River Road, SE • Cartersville, Georgia 30120
Customer Service: 800.852.6868 • Fax: 770.607.3799 •
www.cimbar.com

Because the conditions of use of this product are beyond seller's control the product is sold without warranty either express or implied and upon condition that the purchaser make its own tests to determine the suitability for purchaser's applications. Purchaser assumes all risk of use and handling of this product. This product will be replaced if defective in manufacture or packaging or if damaged, except for such replacement, seller is not liable for any damages caused by this product or its use. Any data and any statements and recommendations presented herein are believed to be accurate but no guarantee of their accuracy is made.

Date: 01/09

US and European Pharmacopeia Requirements for Barium Sulfate	
Test Method	Specification
Acidity or Alkalinity (EP)	≤ 0.5 ml of 0.01 M HCL or 0.01 M NaOH
Assay (USP)	≥ 97.5
Heavy Metals (USP)	≤ 0.001%
Limit of Acid Soluble Substances (EP/USP)	≤ 0.3% (EP/USP)
Limit of Soluble Barium Salts (EP/USP)	Conforms to visual test (EP) ≤ 0.001% (USP)
Limit of Sulfide (USP)	≤ 0.5 µg/g
Loss on Ignition (EP)	≤ 2.0%
Microbiological Requirements (EP/USP)	Conforms
Oxidisable Sulfur Compounds (EP)	Conforms to visual test
pH (10% w/w sol) (USP)	3.5 – 10.0

Packaging:

BariScan Elite and BariScan Ultra barite products are packaged in 50 pound, two-ply, polyethylene lined, kraft bags. The standard shipping unit is a pallet of 40 bags, a total of 2,000 pounds.



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Date: 01/07/09