



# WUHAN XINRU CHEMICAL INDUSTRY CO., LTD

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## **CERTIFICATE OF ANALYSIS**

Date: 2016-5-15

<b>PRODUCT NAME:</b> <u>BARIUM SULPHATE</u> (MEDICAL GRADE)			
Batch number: 1151207			
NO.	ITEMS	STANDARD SPECIFICATION	RESULTS OF ANALYSIS
1	<b>Description</b>	White to off-white color powder; free of impurity, odorless and tasteless	CONFIRM
2	<b>Identification</b>	Positive for sulphates and for barium salts	CONFIRM
3	<b>Solubility</b>	It's almost insoluble in water, alcohol, aether, and can't dissolve in hydrochloric acid, nitric acid, or sodium hydroxide	CONFIRM
4	<b>PH(SOL. 10%)</b>	3.5—10.0	6.8
5	<b>Sulfide</b>	The gas evolved does not darken moistened lead acetate paper	CONFIRM
6	<b>Hydrochloric acid soluble substances</b>	0.3%max (15mg)	0.24%
7	<b>Barium soluble salts</b>	No turbidity is produced	CONFIRM
8	<b>Heavy metals</b>	10ppm max	<10ppm
9	<b>Arsenic</b>	1.0ppm max	<1ppm
10	<b>Assay/purity</b>	97.5%min	97.74%
11	<b>Median particle size</b>	0.8-1.10um	0.95 um
12	<b>Phosphate</b>	No yellow precipitates is produced	CONFIRM
13	<b>Dry loss on 105℃</b>	1.0% max	0.20%
14	<b>Volatile Organic Impurities</b>	Meets the requirements	Meets the requirements

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武汉鑫儒化工有限公司