



WUHAN XINRU CHEMICAL INDUSTRY CO., LTD

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CERTIFICATE OF ANALYSIS

Date: 2016-5-15

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

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