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CERTIFICATE OF ANALYSIS

Product Name:	L-Cysteine Hydrochloride Monohydrate		
CAS No.:	7048-04-6		
Quantity:	Sample	Manufacture Date:	Dec. 19, 2011
Batch No.:	57113709	Analysis Date:	Dec. 24, 2011
Quality Standard:	EP6	Expiry Date:	Dec. 18, 2012
Test Items	Limit		Result
Identification	conform to EP6		conform
Appearance	white, crystalline powder or colorless crystals		conform
Appearance of solution	clear and not more intensely colored than reference solution BY6		conform
Specific optical rotation	+5.5° to +7.0°		+6.27°
Ninhydrin-positive substances	conform to EP6		conform
Sulphates	≤300ppm		<300ppm
Ammonium	≤200ppm		<200ppm
Iron	≤20ppm		<20ppm
Heavy Metals	≤10ppm		<10ppm
Loss on drying	8.0% to 12.0%		10.16%
Sulphated ash	≤0.10%		<0.10%
Assay	98.5% to 101.0%		99.87%
Conclusion: The products conform to EP6 standard.			
Analyst: 涂静 胡昌清 张冰 万东静		Verifier: 郭刚	
Storage: Preserve in well-closed containers and protected from light			