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CERTIFICATE OF QUALITY

Product: DIMETHYL SULFOXIDE (DMSO)

Grade: ACS GRADE

Code: 0231

Appearance: Clear, colorless liquid

Mol. Formula: (CH3)2SO

Mol. Weight: 78.13

Description:

Assay:	<u>Min</u>	<u>Max</u>	<u>Units</u>	Disposition
Abs.@270nm		0.40		PASS
Abs.@290nm		0.18		PASS
Abs.@310nm		0.06		PASS
Abs.@330nm		0.02		PASS
Abs.@350-400nm		0.01		PASS
Purity	99.9		%	PASS
Residue after Evaporation		0.01	%	PASS
Titrable Free Acid		0.001	meq/g	PASS
Water (KF)		0.1	%	PASS

Storage: Store at room temperature. Protect from moisture.

0231ACS This signature indicates that the above material has met all quality

specifications and has been reviewed by a quality representative.

Signature: You Crocke

Title: QC MANAGER Date: 7/11/2012