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CERTIFICATE OF QUALITY

Product: GLYCEROL

Grade: BIOTECHNOLOGY GRADE

Code: E520

Appearance: Colorless liquid

Mol. Formula: C3H8O3

Mol. Weight: 92.10

Description:

Assay:	<u>Min</u>		<u>Max</u>	<u>Units</u>	Disposition
Arsenic		<	0.0003	%	PASS
DNase			NONE	P/F	PASS
Heavy Metals (as Pb)		<	0.0005	%	PASS
Purity (Anhydrous)	99.0			%	PASS
Residue on Ignition			0.01	%	PASS
RNase			NONE	P/F	PASS
Specific Gravity	1.2615		1.2635		PASS
Sterility	PASS			P/F	PASS

Storage: Store at room temperature. Protect from moisture.

E520BIO This signature indicates that the above material has met all quality

specifications and has been reviewed by a quality representative.

Signature: You Crocke

<u>Title:</u> <u>QC MANAGER</u> Date: <u>7/16/2012</u>