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CERTIFICATE OF QUALITY

Product: EDTA, FREE ACID

Grade: ULTRA PURE GRADE

Code: 0322

Appearance: Fine white crystalline powder

Mol. Formula: C10H16N2O8

Mol. Weight: 292.25

Description: CAS# 60-00-4

Assay:	<u>Min</u>		<u>Max</u>	<u>Units</u>	Disposition
DNase			NONE	P/F	PASS
Heavy Metals (as Pb)		<	0.001	%	PASS
Identification	PASS			P/F	PASS
Insolubles (5%, 1N NaOH)	PASS			P/F	PASS
Iron		<	0.005	%	PASS
Magnesium		<	0.0005	%	PASS
Nitrilotriacetic Acid		<	0.1	%	PASS
pH (5%, Water) @25C	2.5		3.5		PASS
Protease			NONE	P/F	PASS
Purity	99.5			%	PASS
Residue after Ignition			0.2	%	PASS
RNase			NONE	P/F	PASS

Storage: Store at room temperature. Protect from moisture.

O322UP This signature indicates that the above material has met all quality

specifications and has been reviewed by a quality representative.

Signature: (You Carolle

<u>Title:</u> <u>QC MANAGER</u> Date: <u>6/6/2012</u>