

Certificate of Quality

Product Name: Phenol Red, Sodium salt

A pH indicator (Yellow to Red; range 6.8 - 8.4). Soluble in water.

Product Code: A3619 CAS #: 34487-61-1
Grade: Biotechnology Formula: C₁₉H₁₃O₅Na
Appearance: Dark Red to Brownish Red crystalline powder MW: 376.37
Reassay Date: 3 years after shipping date Lot#: See product label
Storage: Store at room temperature. Protect from moisture.

TEST	SPECIFICATION	RESULT
ABSORPTION MAXIMUM λ 1 (pH 1.2)	503-506nm	Passes
ABSORPTION MAXIMUM λ 2 (pH 3.0)	430-435nm	Passes
ABSORPTION MAXIMUM λ 3 (pH 6.5)	430-435nm	Passes
ABSORPTION MAXIMUM λ 4 (pH 8.0)	557-560nm	Passes
ABSORPTIVITY (1% 1cm λ 1 (pH 1.2 on dry material)	880-950	Passes
ABSORPTIVITY (1% 1cm λ 2 (pH 3.0 on dry material)	560-620	Passes
ABSORPTIVITY (1% 1cm λ 3 (pH 6.5 on dry material)	560-620	Passes
ABSORPTIVITY (1% 1cm λ 4 (pH 8.0 on dry material)	970 - 1100	Passes
Moisture (LOD) @ 110°C	\leq 5.0%	Passes
TRANSITION INTERVAL (1.2-3.0)	Passes	Passes
TRANSITION INTERVAL (6.5-8.0)	Passes	Passes

Data Verified by M. He. Verification Date: 2020-01-06

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