

## Certificate of Analysis

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Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System  
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	BP637	Quality Test / Release Date	10/20/2021
Lot Number	217301	Expiration Date	Apr/2023
Description	PROTEIN GEL LOADING DYE 2X		
Country of Origin	United States		
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Slightly viscous dark purple liquid
DNASE	PASS/FAIL	= NOT DETECTED	NOT DETECTED
ELECTROPHORESIS		= PASS TEST	PASS TEST
OPT ABS BETWEEN 588-594 NM	ABSORBANCE UNITS	Inclusive Between 0.32 - 0.47	0.38
OPT ABS BETWEEN 635-641 NM	ABSORBANCE UNITS	Inclusive Between 0.25 - 0.40	0.33
OPTICAL ABS AT 525 NM	ABSORBANCE UNITS	Inclusive Between 0.15 - 0.35	0.25
PROTEASE	PASS/FAIL	= NOT DETECTED	NOT DETECTED
RNASE	PASS/FAIL	= NOT DETECTED	NOT DETECTED



Julian Burton - Quality Control Manager - Bridgewater

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.  
 If there are any questions with this certificate, please call at (800) 227-6701.

\*Based on suggested storage condition.