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## Certificate of Analysis

Product Name:

**Benzonase® Nuclease -  $\geq 250$  units/ $\mu$ L,  $\geq 90\%$  (SDS-PAGE), recombinant, expressed in E. coli, buffered aqueous glycerol solution**

**Product Number:** E1014  
**Batch Number:** SLCG2701  
**Brand:** SIGMA  
**CAS Number:** 9025-65-4  
**MDL Number:** MFCD00131010  
**Storage Temperature:** Store at -20 °C  
**Quality Release Date:** 24 JUL 2020

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Turbidity)	Clear	Clear
Appearance (Form)	Liquid	Liquid
Purity by SDS Page	Pass	Pass
> or = 90% units/ $\mu$ L (using sonicated salmon sperm DNA as substrate) One unit will produce acid-soluble oligonucleotides equivalent to an A260 nm of 1.0 in 30 minutes at pH 8.0, at 37 deg C. (Reaction volume = 2.625 mL)	$\geq 250$	363
Protease Detection	None Detected	None Detected
Note Benzonase is a registered trademark of Merck KGaA	-----	-----



Brian Dulle, Supervisor  
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Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.