



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-337851  
Lot Number: SAMPLE  
Product Name: Gadodiamide  
CAS Number: 122795-43-1  
Molecular Formula:  $C_{16}H_{26}GdN_5O_8$   
Molecular Weight: 573.66

Test	Specification	Result
Appearance	White to off-white crystalline powder	Complies
Identification (HPLC)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	97.0 - 103.0%	99.8%
Impurity	Free diethylenetriamine pentaacetic acid bismethylamide $\leq 0.7\%$ (as dry basis) Methylamine $\leq 0.05\%$	Free diethylenetriamine pentaacetic acid bismethylamide 0.09% Methylamine 0.001%
Related Substances	Impurity A $\leq 2.0\%$ Impurity B $\leq 2.0\%$ Single impurity $\leq 0.2\%$ Total impurities except A&B $\leq 0.5\%$	0.10% 0.15% 0.05% 0.29%
Acetone	$\leq 0.2\%$	Not-detected
Ethanol	$\leq 0.2\%$	0.01%
Gadolinium	Free Gadolinium $\leq 0.3\%$ (as dry basis)	Not-detected
Gadolinium	26.0 - 29.0%	28.7%
Isopropanol	$\leq 0.2\%$	0.05%
Water Content	3.0 - 14.0%	10.0%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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