



AMI

**Guanidine Carbonate pure**  
*Specification*

# GUANIDINE CARBONATE (GC) PURE SPECIFICATION

## EMPIRICAL FORMULA: $C_3H_{12}N_6O_3$

Molecular mass: 180.17 kg/kmol

CAS.No.: 593-85-1

EINECS.No.: 209-813-7

## SYNONYMS

Bisguanidinium carbonate

Carbonic acid, compound with guanidine (1:2)

CAS: Guanidine, carbonate (2:1) (8CI, 9CI)

German: Guanidincarbonat, Iminoharnstoff  
-carbonat GC (abbreviation)

## SPECIFICATION

		Test method
Aspect:	White, crystalline powder	301
Assay:	> 99.5 % (HPLC)	311
Loss on drying:	0.3 % max.	303a
Sulfated ash:	0.05 % max.	307
Appearance of solution (25 g/75 ml water): (visual examination)	Clear	302
Heavy metals:	10 mg/kg max.	313

BAM test methods are available on request.

## CONTACT

Borealis Agrolinz Melamine GmbH  
St.-Peter-Strasse 25, A-4021 Linz / Austria,  
Product Management / Marketing:  
Tel.: +43 70 6914-4075,  
Fax: +43 70 6914-64075  
E-Mail: [melamine@borealisgroup.com](mailto:melamine@borealisgroup.com)  
Technical support:  
Tel.: +43 70 6914-3052, Fax: +43 70 6914-63052  
Homepage: [www.borealisgroup.com](http://www.borealisgroup.com)

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Borealis Agrolinz Melamine GmbH is a leading  
provider of melamine and innovative, value creating  
melamine-based solutions.

Borealis Agrolinz Melamine GmbH

St.-Peter-Strasse 25  
A-4021 Linz  
Phone: (+43) 732 / 6914 4075  
Fax: (+43) 732 / 6914 64075  
E-Mail: [melamine@borealisgroup.com](mailto:melamine@borealisgroup.com)  
[www.borealisgroup.com](http://www.borealisgroup.com)