



SHANDONG QINGYUN CHANGXIN CHEMICAL SCIENCE-TECH CO.,LTD

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Certificate of Analysis

Product Name:Gamma-Butyrolactone

Specifications: Top grade

CAS No.: 96-48-0

Molecular formula: C₄H₆O₂

Batch No.:20150710206

Packing: Galvanization drum of 200kg net weight

Analysis item	Result of test	Specification	Unite	Test Standard
Description	Transparent Liquid			
Purity	99.65	≥99.50	%	Q/1400MCX001-2009
Water	0.030	≤0.050	%	GB/T6283
Color	10	≤15	APHA	GB/T3143

Conclusion: Conform with the specification.

AUTHORIZED SIGNATURE:

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Certificate of Analysis

Product Name:Gamma-Butyrolactone

Specifications: Top grade

CAS No.: 96-48-0

Molecular formula: C₄H₆O₂

Batch No.:20150718206

Packing: Galvanization drum of 200kg net weight

Analysis item	Result of test	Specification	Unite	Test Standard
Description	Transparent Liquid			
Purity	99.68	≥99.50	%	Q/1400MCX001-2009
Water	0.031	≤0.050	%	GB/T6283
Color	10	≤15	APHA	GB/T3143

Conclusion: Conform with the specification.

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Certificate of Analysis

Product Name:Gamma-Butyrolactone

Specifications: Top grade

CAS No.: 96-48-0

Molecular formula: C₄H₆O₂

Batch No.:20150726206

Packing: Galvanization drum of 200kg net weight

Analysis item	Result of test	Specification	Unite	Test Standard
Description	Transparent Liquid			
Purity	99.71	≥99.50	%	Q/1400MCX001-2009
Water	0.029	≤0.050	%	GB/T6283
Color	9	≤15	APHA	GB/T3143

Conclusion: Conform with the specification.

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Certificate of Analysis

Product Name:Gamma-Butyrolactone

Specifications: Top grade

CAS No.: 96-48-0

Molecular formula: C₄H₆O₂

Batch No.:20150816206

Packing: Galvanization drum of 200kg net weight

Analysis item	Result of test	Specification	Unite	Test Standard
Description	Transparent Liquid			
Purity	99.72	≥99.50	%	Q/1400MCX001-2009
Water	0.027	≤0.050	%	GB/T6283
Color	10	≤15	APHA	GB/T3143

Conclusion: Conform with the specification.

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Certificate of Analysis

Product Name:Gamma-Butyrolactone

Specifications: Top grade

CAS No.: 96-48-0

Molecular formula: C₄H₆O₂

Batch No.:20150820206

Packing: Paint drum of 200kg net weight

Analysis item	Result of test	Specification	Unite	Test Standard
Description	Transparent Liquid			
Purity	99.75	≥99.50	%	Q/1400MCX001-2009
Water	0.030	≤0.050	%	GB/T6283
Color	9	≤15	APHA	GB/T3143

Conclusion: Conform with the specification.

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