



**Megazyme International Ireland Limited,**  
Bray Business Park,  
Bray, Co. Wicklow,  
Ireland.  
Tel: + 353 1 2861220 Fax: + 353 1 2861264

## Certificate of Analysis

**Product:** D-Gluconic Acid Assay Kit  
**Cat. No:** K-GATE  
**Lot. No:** 101107  
**Expiry Date:** December, 2013

| Test                      | Specification  | Result      |
|---------------------------|--|-------------|
| Assay performance         | Reaction completed within time stated in kit booklet   | Corresponds |
|                           | Target value for recommended standard material +/- 2 % | Corresponds |
| Blank reaction absorbance | +/- 10 % of mean blank value                           | Corresponds |

This lot meets our specification.

**Signature:** 

**Date:** 15/11/2010

Vincent M<sup>c</sup>Kie  
Quality Control Manager

*(as this certificate is a computer printout, it has not been signed or dated by hand)*



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## Certificate of Analysis

**Product:** D-Gluconic Acid Assay Kit  
**Cat. No:** K-GATE  
**Lot. No:** 100615  
**Expiry Date:** December, 2013

| Test                      | Specification  | Result      |
|---------------------------|--|-------------|
| Assay performance         | Reaction completed within time stated in kit booklet   | Corresponds |
|                           | Target value for recommended standard material +/- 2 % | Corresponds |
| Blank reaction absorbance | +/- 10 % of mean blank value                           | Corresponds |

This lot meets our specification.

**Signature:** 

**Date:** 23/06/2010

Vincent M<sup>c</sup>Kie  
Quality Control Manager

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## Certificate of Analysis

**Product:** D-Gluconic Acid Assay Kit  
**Cat. No:** K-GATE  
**Lot. No:** 100311  
**Expiry Date:** December, 2013

| Test                      | Specification  | Result      |
|---------------------------|--|-------------|
| Assay performance         | Reaction completed within time stated in kit booklet   | Corresponds |
|                           | Target value for recommended standard material +/- 2 % | Corresponds |
| Blank reaction absorbance | +/- 10 % of mean blank value                           | Corresponds |

This lot meets our specification.

**Signature:** 

**Date:** 23/03/2010

Vincent M<sup>c</sup>Kie  
Quality Control Manager

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## Certificate of Analysis

**Product:** D-Gluconic Acid Assay Kit  
**Cat. No:** K-GATE  
**Lot. No:** 100310  
**Expiry Date:** December, 2012

| Test                      | Specification  | Result      |
|---------------------------|--|-------------|
| Assay performance         | Reaction completed within time stated in kit booklet   | Corresponds |
|                           | Target value for recommended standard material +/- 2 % | Corresponds |
| Blank reaction absorbance | +/- 10 % of mean blank value                           | Corresponds |

This lot meets our specification.

**Signature:** 

**Date:** 23/03/2010

Vincent M<sup>c</sup>Kie  
Quality Control Manager

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## Certificate of Analysis

**Product:** D-Gluconic Acid Assay Kit  
**Cat. No:** K-GATE  
**Lot. No:** 90909  
**Expiry Date:** December, 2012

| Test                      | Specification  | Result      |
|---------------------------|--|-------------|
| Assay performance         | Reaction completed within time stated in kit booklet   | Corresponds |
|                           | Target value for recommended standard material +/- 2 % | Corresponds |
| Blank reaction absorbance | +/- 10 % of mean blank value                           | Corresponds |

This lot meets our specification.

**Signature:**

Vincent McKie

**Date:** 11/09/2009

Vincent M<sup>c</sup>Kie  
Quality Control Manager

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## Certificate of Analysis

**Product:** D-Gluconic Acid Assay Kit  
**Cat. No:** K-GATE  
**Lot. No:** 90804  
**Expiry Date:** December, 2011

| Test                      | Specification  | Result      |
|---------------------------|--|-------------|
| Assay performance         | Reaction completed within time stated in kit booklet   | Corresponds |
|                           | Target value for recommended standard material +/- 2 % | Corresponds |
| Blank reaction absorbance | +/- 10 % of mean blank value                           | Corresponds |

This lot meets our specification.

**Signature:** 

**Date:** 25/08/2009

Vincent M<sup>c</sup>Kie  
Quality Control Manager

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## Certificate of Analysis

**Product:** D-Gluconic Acid Assay Kit  
**Cat. No:** K-GATE  
**Lot. No:** 80606  
**Expiry Date:** December, 2010

| Test                      | Specification  | Result      |
|---------------------------|--|-------------|
| Assay performance         | Reaction completed within time stated in kit booklet   | Corresponds |
|                           | Target value for recommended standard material +/- 2 % | Corresponds |
| Blank reaction absorbance | +/- 10 % of mean blank value                           | Corresponds |

This lot meets our specification.

**Signature:**

Vincent McKie

**Date:** 20/06/2008

Vincent M<sup>c</sup>Kie  
Quality Control Manager

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## Certificate of Analysis

**Product:** D-Gluconic Acid Assay Kit  
**Cat. No:** K-GATE  
**Lot. No:** 80305  
**Expiry Date:** December, 2010

| Test                      | Specification  | Result      |
|---------------------------|--|-------------|
| Assay performance         | Reaction completed within time stated in kit booklet   | Corresponds |
|                           | Target value for recommended standard material +/- 2 % | Corresponds |
| Blank reaction absorbance | +/- 10 % of mean blank value                           | Corresponds |

This lot meets our specification.

**Signature:** 

**Date:** 20/03/2008

Vincent McKie  
Quality Control Manager

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## Certificate of Analysis

**Product:** D-Gluconic Acid Assay Kit  
**Cat. No:** K-GATE  
**Lot. No:** 70104  
**Expiry Date:** December, 2008

| Test                      | Specification  | Result      |
|---------------------------|--|-------------|
| Assay performance         | Reaction completed within time stated in kit booklet   | Corresponds |
|                           | Target value for recommended standard material +/- 2 % | Corresponds |
| Blank reaction absorbance | +/- 10 % of mean blank value                           | Corresponds |

This lot meets our specification.

**Signature:** *Patricia Rossiter*

**Date:** 12/01/2007

Patricia Rossiter  
Quality Control Laboratory Manager

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## Certificate of Analysis

**Product:** D-Gluconic Acid Assay Kit  
**Cat. No:** K-GATE  
**Lot. No:** 61202  
**Expiry Date:** December, 2008

| Test                      | Specification  | Result      |
|---------------------------|--|-------------|
| Assay performance         | Reaction completed within time stated in kit booklet   | Corresponds |
|                           | Target value for recommended standard material +/- 2 % | Corresponds |
| Blank reaction absorbance | +/- 10 % of mean blank value                           | Corresponds |

This lot meets our specification.

**Signature:** *Patricia Rossiter*

**Date:** 04/12/2006

Patricia Rossiter  
Quality Control Laboratory Manager

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## Certificate of Analysis

**Product:** D-Gluconic Acid Assay Kit  
**Cat. No:** K-GATE  
**Lot. No:** 60802  
**Expiry Date:** December, 2008

| Test                      | Specification  | Result      |
|---------------------------|--|-------------|
| Assay performance         | Reaction completed within time stated in kit booklet   | Corresponds |
|                           | Target value for recommended standard material +/- 2 % | Corresponds |
| Blank reaction absorbance | +/- 10 % of mean blank value                           | Corresponds |

This lot meets our specification.

**Signature:** *Patricia Rossiter*

**Date:** 14/08/2006

Patricia Rossiter  
Quality Control Laboratory Manager

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## Certificate of Analysis

**Product:** D-Gluconic Acid Assay Kit  
**Cat. No:** K-GATE  
**Lot. No:** 60342  
**Expiry Date:** December, 2008

| Test                      | Specification  | Result      |
|---------------------------|--|-------------|
| Assay performance         | Reaction completed within time stated in kit booklet   | Corresponds |
|                           | Target value for recommended standard material +/- 2 % | Corresponds |
| Blank reaction absorbance | +/- 10 % of mean blank value                           | Corresponds |

This lot meets our specification.

**Signature:** *Patricia Rossiter*

**Date:** 31/03/2006

Patricia Rossiter  
Quality Control Laboratory Manager

*(as this certificate is a computer printout, it has not been signed or dated by hand)*

