

Kemira

Kemira ChemSolutions b.v.

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The Netherlands

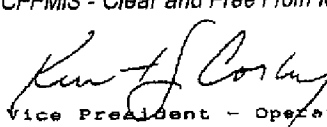
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CERTIFICATE OF ANALYSIS

Product:	Formic Acid 99%		
Testing Performed on Shore Tank #201, Kinder Morgan Philadelphia Terminal			
LWD Number:	CM110383-6		
Kemira Order #:	U.S. 91220	Date:	12/30/11
Customer P.O. #:	10194873/7704065	Time:	21:10
Customer:	Industrial		
Carrier / Trailer #:	DANA 1431		
Product Code:	N/A		
Date Tested:	11/30/2011		
Lot #:	201		

TEST	SPECIFICATION	RESULT	METHOD
Appearance	CFFMIS*	Passes	V 000.1
Color, Pt - Co	5 Max.	Less than 5	ASTM D-1209
Formic Acid, wt%	99.0 min.	99.3	V 000.2
Iron, ppm	3 Max.	Less than 1	ASTM E-394
Chlorides, as Cl, ppm	3 Max.	Passes	V 000.19
Residue on Evaporation, wt. %	0.01 Max.	0.009	ASTM D-1353
Sulphates, ppm	5 max	Less than 5	V 000.22

* CFFMIS - Clear and Free From Matter in Suspension


Vice President - Operations
Laboratory Service Inc.

FRM L-KC005 Rev D 2/17/09

Water has been added to the Formic Acid 99% to form an aqueous solution.