NSF/ANSI 51(2009) Food Equipment, Materials- Formulation Review and Extraction Testing

DC315 Water Based Fireproof Paint

Project No. G100368035

October 28, 2011

Prepared for:
International Fireproof Technology Inc
17528 Von Karman Ave
Irvine, CA 92614

Intertek Testing Services NA, Inc.
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TEST REPORT
Intertek Testing Services NA, Inc.

1717 Arlingate Lane COLUMBUS, OHIO 43228

PROJECT NO.: G100368035 DATE: October 28, 2011

REPORT NO. 100368035COL-002

RENDERED TO:
International Fireproof Technology Inc
17528 Von Karman Ave
Irvine, CA 92614

STANDARD REFERENCED AND TEST METHOD:

NSF/ANSI 51(2009) Food Equipment, Materials-Formulation Review and Extraction Testing

AUTHORIZATION:

The test was authorized by Johnny Chang; A representative from International Carbide Technology

GENERAL DESCRIPTION:

The evaluation performed was NSF/ANSI 51(2009) Food Equipment, Materials-Formulation Review and Extraction Testing. The Toxicological review was conducted by ToxServices LLC. ToxServices is located 1367 Connecticut Avenue N.W., Suite 300, Washington, DC 20036. The water analyses were conducted at Microbac Laboratories Inc. Microbac Laboratories is located at 2101 Van Deman St., Baltimore, MD 21224. The DC315 Water Based Fireproof Paint was evaluated for its toxicity and the amount of compounds leached out during testing. This testing evaluation was conducted between April 11, 2011 and September 30, 2011. Information was supply by the manufacturer and forwarded to the toxicologist for the toxicological review, based upon the toxicological review an extraction method was conducted looking for compounds that leach out of the product.

TEST DESCRIPTION

Samples were prepared by the client. They were cured to glass panels in accordance with the toxicologist's recommendations.

Samples were rinsed with distilled water to remove any residual packing debris.

Samples were divided into four different containers of water having a pH of 5.0, 6.5, 8.0, and 10.0.

Each sample was exposed to the water specifications in NSF/ANSI 61-2009: Drinking Water System Components Health Effects. Samples were exposed with a surface area to volume ratio of $50cm^2$ per liter.

The conditioning was conducted over a period of 14 days in which the water was changed not less than 24 hours. The water was changed for 10 days out of the 14 days per the standard specifications. The testing was conducted over a period of 24 hours.

Once the testing was completed, samples were decanted into the proper bottles and shipped to Microbac laboratories for the analyses in accordance with EPA 200.8, EPA 8260B, and EPA 625.

CALIBRATED EQUIPMENT:

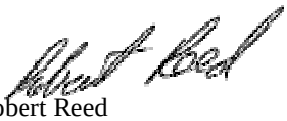
Calibrated Equipment	Manufacturer	Identification No.	Calibration Date	Calibration Due
Pipet	Fisher Scientific	CE 1141	03/12/11	03/12/12
Digital Thermometer	Omega	CE 1184	10/06/10	10/06/11
Balance	Ohaus	CE 1143	03/15/11	06/15/11
Balance	Ohaus	CE 1143	06/15/11	09/15/11
Balance	Ohaus	CE 1143	09/15/11	12/15/11
pH Meter	Accumet	CE 1137	Calibrate Before Use	

CONCLUSION: This report documents the performance of the DC315 Water Based Fireproof Paint. The test sample evaluations were conducted at the Intertek laboratory located in Columbus, OH between April 11, 2011 and September 30, 2011. The DC315 Water Based Fireproof Paint does comply with the requirements of NSF/ANSI 51(2009) Food Equipment, Materials-Formulation Review and Extraction Testing.

Test Performed by:

Shannon Meier
Microbiologist
Columbus Office

Report Approved by:



Robert Reed
Associate Engineer
Columbus Office