



BRANDYWINE SCIENCE CENTER INC.
 204 LINE ROAD
 KENNETT SQUARE, PA. 19348
 DEP # 15-301



HEAVY METALS LEACHING TEST

TESTING REQUESTED BY:						
CERAMCOR: www.ceramcor.com		SAMPLES	Cookware	X	SAMPLE DATE	N/A
		SAMPLES	Bakeware	X	SAMPLE TIME	N/A
		SAMPLES	Tea Kettles	X	DATE RECEIVED	2/15/09
TRANSPORT INFORMATION		SHIPPED			TIME RECEIVED	11:00
		DIRECT TO LAB	X		DATE OF REPORT	3/3/09
SAMPLE ID	LAB NUMBER	HEAVY METAL ANALYSIS	DRINKING WATER REGULATIONS - CA PROP-65 & EPA & NSDWS & WHO - UNITS -mg/L	TEST RESULTS - mg/L	HEAVY METAL TESTING PROGNOSIS	
ALUMINUM TEA KETTLE	900835	ALUMINUM	0.05-0.2	6.70	LEACHING	
STAINLESS STEEL TEA KETTLE	900836	IRON	0.30	1.27	LEACHING	
SPECKLED METAL BAKEWARE	900841	ALUMINUM	0.05-0.2	35.40	LEACHING	
SPECKLED METAL BAKEWARE	900841	NICKEL	0.02	19.30	LEACHING	
SPECKLED METAL BAKEWARE	900841	IRON	0.30	1.48	LEACHING	
SEASONED CAST IRON SKILLET	900853	CHROME	0.10	2.08	LEACHING	
SEASONED CAST IRON SKILLET	900853	IRON	0.30	2,817.00	LEACHING	
NON STICK ANODIZED ALUMINUM 5.5 QT.	900852	ALUMINUM	0.05-0.2	7.10	LEACHING	
ANODIZED ALUMINUM 1 QT.	900850	NICKEL	0.02	3.28	LEACHING	
CERAMIC NON STICK ALUMINUM SKILLET	900847	ALUMINUM	0.05-0.2	1.40	LEACHING	
CERAMIC NON STICK ALUMINUM SKILLET	900847	IRON	0.30	0.95	LEACHING	
ENAMEL CAST IRON SKILLET	900852	ALUMINUM	0.05-0.2	25.60	LEACHING	
NON STICK GLASS BAKEWARE	900844	IRON	0.30	4.31	LEACHING	
ENAMELED CAST IRON SAUCE PAN	902064	NICKEL	0.02	0.07	LEACHING	
METAL BROWNIE PAN	902066	NICKEL	0.02	0.13	LEACHING	
METAL PROFESSIONAL CAKE PAN	902067	IRON	0.30	3.55	LEACHING	
ENAMELED CAST IRON SAUCE PAN	902064	ALUMINUM	0.05-0.2	0.78	LEACHING	
FOIL ALUMINUM BAKING PAN	902070	ALUMINUM	0.05-0.2	9.20	LEACHING	
METAL PROFESSIONAL CAKE PAN	902067	ALUMINUM	0.05-0.2	2.60	LEACHING	
10.25" RED PORCELAIN PIE PLATE	902063	ALUMINUM	0.05-0.2	0.22	LEACHING	

4% Glacial Acetic Acid is poured into the vessels and let to sit for 24hrs. Once the 24 hr leach is over, the acetic acid is analyzed via AA Spectroscopy for the individual metal content and then recorded.

Test results are expressed in mg/L or milligrams per liter. One liter = 33.792 Ounces

Analyses performed in accordance with " STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 18th EDITION APHA-AWWA-WPCF.

CA PROP 65 - www.ohha.ca.gov/prop65/background/index.html

EPA - Environmental Protection Agency - www.epa.gov/safewater/

NSDWS - National Secondary Drinking Water Standards - www.epa.gov/OGWDW/consumer/2ndstandards.html

WHO - World Health Organization - www.int/en/

Henry D. Clemens III

Henry D. Clemens III

Laboratory Director