

TEST REPORT

NUMBER : THJ0046317

APPLICANT: HOLAR INDUSTRIAL INC.
11F-1 NO 92 FUSING N RD
TAIPEI 105 TAIWAN R.O.C.

DATE : MAY 29, 2007

SAMPLE DESCRIPTION:

ONE (2) GROUP OF SUBMITTED SAMPLES SAID TO BE :
ITEM NAME : CARBON STEEL GRINDER
ITEM NO. : CARBON-NICKEL
QUANTITY : 2 SETS
VENDOR/MANUFACTURER : HOLAR INDUSTRIAL INC.
COUNTRY OF ORIGIN : TAIWAN
DATE SAMPLE RECEIVED : MAY 23, 2007
DATE TEST STARTED : MAY 25, 2007

TEST CONDUCTED:

AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE REFER TO ATTACHED PAGES.

CONCLUSION:

PLEASE SEE PAGE TWO.

AUTHORIZED BY:
ON BEHALF OF INTERTEK TESTING SERVICES
TAIWAN LIMITED



K. Y. LIANG
DIRECTOR

THIS REPORT SHALL NOT BE REPRODUCED
EXCEPT IN FULL, WITHOUT THE WRITTEN
APPROVAL OF THE LABORATORY.

Intertek Testing Services Taiwan Ltd.
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TEST REPORT

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CONCLUSION:

<u>TESTED SAMPLE</u>	<u>STANDARD</u>	<u>RESULT</u>
SUBMITTED SAMPLES	LEACHABLE LEAD AND CADMIUM CONTENT — WITH REFERENCE TO U.K. CERAMIC WARE (SAFETY) REGULATIONS 1988 SI1647 AND BRITISH STANDARD BS 6748 : 1986	SEE TEST CONDUCTED(#1)
	LEACHABLE LEAD AND CADMIUM CONTENT ON CERAMIC ARTICLES — WITH REFERENCE TO EUROPEAN COUNCIL DIRECTIVE 84/500/EEC AND AMMENDMENT 2005/31/EC	SEE TEST CONDUCTED(#2)
	CALIFORNIA TABLEWARE SAFETY PROGRAM FOR LEACHABLE LEAD AND CADMIUM CONTENT — AS PER U.S. FDA COMPLIANCY POLICY GUIDE PART 7117.06 AND 7117.07 — AS PER CALIFORNIA PROPOSITION 65	SEE TEST CONDUCTED(#3) SEE TEST CONDUCTED(#4)

REMARKS:

- #1 = THE TESTED SAMPLES ARE NOT WITHIN THE APPLICATION SCOPE OF ABOVE BRITISH STANDARD. HOWEVER, THE RESULT DOES NOT EXCEED THE REQUIREMENT OF THE STANDARD.
- #2 = THE TESTED SAMPLES ARE NOT WITHIN THE APPLICATION SCOPE OF ABOVE EC DIRECTIVE. HOWEVER, THE RESULT DOES NOT EXCEED THE REQUIREMENT OF THE DIRECTIVE.
- #3 = THE TESTED SAMPLES ARE NOT WITHIN THE APPLICATION SCOPE OF ABOVE FDA STANDARD. HOWEVER, THE RESULT DOES NOT EXCEED THE REQUIREMENT OF THE STANDARD.
- #4 = THE TESTED SAMPLES ARE NOT WITHIN THE APPLICATION SCOPE OF ABOVE CALIFORNIA STANDARD. HOWEVER, THE RESULT DOES NOT EXCEED THE REQUIREMENT OF THE DIRECTIVE.

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TEST CONDUCTED

1. LEACHABLE LEAD AND CADMIUM CONTENT

WITH REFERENCE TO U.K. CERAMIC WARE (SAFETY) REGULATIONS 1988 SI 1647 AND BS 6748 : 1986 BY INDUCTIVELY COUPLED PLASMA-OPTICAL EMISSION SPECTROMETER (ICP-OES) ANALYSIS.

SPECIMEN	INTERNAL DEPTH (mm)	INTERNAL VOLUME (ml)	LIMITS	
			LEAD	CADMIUM
CATEGORY 1	≤25	<3000	0.8 mg/dm ² (1.2 mg/dm ² #7)	0.07 mg/dm ² (0.105 mg/dm ² #7)
CATEGORY 2	>25	<3000	4.0 mg/l (6.0 mg/l #7)	0.3 mg/l (0.45 mg/l #7)
CATEGORY 3	>25	≥3000	1.5 mg/l (2.25 mg/l #7)	0.1 mg/l (0.15 mg/l #7)

TEST SAMPLE : METALLIC CARBON STEEL GRINDER

INTERNAL DEPTH (mm)	INTERNAL VOLUME (ml)	VOLUME OF LEACHING SOLUTION (4% ACETIC ACID) (ml)	RESULT RELATIVE TO INTERNAL VOLUME	
			LEAD (mg/l)	CADMIUM (mg/l)
--	--	100	<0.050	<0.050
AVERAGE :			NA	NA

REMARKS : < = LESS THAN
 NA = NOT APPLICABLE
 #7 = MEANS THE LIMIT + 50%
 WHERE ONE PIECE OF SUBMITTED SAMPLE'S RESULT EXCEEDING THE LIMIT NOT MORE THAN 50%, AT LEAST THREE FURTHER SAMPLES SHALL BE TESTED AND THE AVERAGE QUANTITY OF LEAD AND CADMIUM PER SAMPLE DETERMINED. THE AVERAGE VALUE SHALL NOT EXCEED THE LIMIT AND NO ONE SAMPLE SHALL EXCEED THE VALUE BY MORE THAN 50%.

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TEST CONDUCTED

2. LEACHABLE LEAD AND CADMIUM CONTENT

WITH REFERENCE TO EUROPEAN COUNCIL DIRECTIVE 84/500/EEC AND AMENDMENT 2005/31/EC BY INDUCTIVELY COUPLED PLASMA-OPTICAL EMISSION SPECTROMETER (ICP-OES) ANALYSIS.

SPECIMEN	INTERNAL DEPTH (mm)	INTERNAL VOLUME (mL)	LIMITS	
			LEAD	CADMIUM
CATEGORY 1 (ARTICLES WHICH CAN NOT BE FILLED)	≤25	<3000	0.8 mg/dm ² (1.2 mg/dm ² #7)	0.07 mg/dm ² (0.105 mg/dm ² #7)
CATEGORY 2 (ALL OTHER ARTICLES WHICH CAN BE FILLED)	>25	<3000	4.0 mg/L (6.0 mg/L #7)	0.3 mg/L (0.45 mg/L #7)
CATEGORY 3 (COOKING WARE; PACKAGING AND STORAGE VESSELS)	>25	≥3000	1.5 mg/L (2.25 mg/L #7)	0.1 mg/L (0.15 mg/L #7)

TEST SAMPLES : METALLIC CARBON STEEL GRINDER

INTERNAL DEPTH (mm)	INTERNAL VOLUME (mL)	VOLUME OF LEACHING SOLUTION (mL) (4% ACETIC ACID)	RESULT RELATIVE TO INTERNAL VOLUME	
			LEAD (mg/dm ²)	CADMIUM (mg/dm ²)
--	--	100	<0.050	<0.050
		AVERAGE :	NA	NA

REMARKS : < = LESS THAN
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TEST CONDUCTED

3. CALIFORNIA TABLEWARE SAFETY PROGRAM FOR LEACHABLE LEAD & CADMIUM CONTENT

WITH REFERENCE TO CALIFORNIA TABLEWARE SAFETY PROGRAM - CALIFORNIA PROPOSITION 65, U.S. FDA CPG 7117.06, 7117.07, AND A.O.A.C. OFFICIAL METHODS BY INDUCTIVELY COUPLED PLASMA-OPTICAL EMISSION SPECTROMETER (ICP-OES) ANALYSIS.

SPECIMEN	INTERNAL DEPTH (mm)	INTERNAL VOLUME (mL)	LIMITS RELATIVE TO INTERNAL VOLUME			
			LEAD (ppm)		CADMIUM (ppm)	
			(a)	(b)	(a)	(b)
FLATWARES (PLATES)	≤25	--	0.226#5	3.0#5	1.853#5	0.50#5
SMALL HOLLOWWARES (BOWLS)	>25	<1100	0.100#6	2.0#6	0.189#6	0.50#6
LARGE HOLLOWWARES (SERVING DISHES)	>25	≥1100	0.100#6	1.0#6	0.049#6	0.25#6
CUPS OR MUGS	>25	<1100	--	0.5#6	--	0.50#6
LARGE PITCHERS, JUGS	--	--	--	0.5#6	--	0.25#6

TEST SAMPLES : METALLIC CARBON STEEL GRINDER

INTERNAL DEPTH (mm)	INTERNAL VOLUME (mL)	VOLUME OF LEACHING SOLUTION (mL) (4% ACETIC ACID)	RESULT	
			LEAD (ppm)	CADMIUM (ppm)
--	--	100	<0.050	<0.050
AVERAGE :			NA	NA

REMARKS: ppm = PARTS PER MILLION
 (a) = CALIFORNIA PROPOSITION 65' S LIMIT
 (b) = U.S. FDA' S LIMIT
 NA = NOT APPLICABLE
 #5 = AVERAGE VALUE OF SIX SPECIMENS
 #6 = ANY ONE VALUE OF SIX SPECIMENS
 < = LESS THAN

 END OF REPORT

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SUBMITTED SAMPLES	LEACHABLE LEAD AND CADMIUM CONTENT — WITH REFERENCE TO U.K. CERAMIC WARE (SAFETY) REGULATIONS 1988 SI1647 AND BRITISH STANDARD BS 6748 : 1986	SEE TEST CONDUCTED(#1)
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<u>SPECIMEN</u>	<u>INTERNAL DEPTH</u> (mm)	<u>INTERNAL VOLUME</u> (mL)	<u>LIMITS</u>	
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TEST SAMPLES : METALLIC CARBON STEEL GRINDER

<u>INTERNAL DEPTH</u> (mm)	<u>INTERNAL VOLUME</u> (mL)	<u>VOLUME OF LEACHING SOLUTION</u> (mL) (4% ACETIC ACID)	<u>RESULT RELATIVE TO INTERNAL VOLUME</u>	
			<u>LEAD</u> (mg/dm ²)	<u>CADMIUM</u> (mg/dm ²)
---	--	100	<0.050	<0.050
		AVERAGE :	NA	NA

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LARGE HOLLOWWARES (SERVING DISHES)	>25	≥1100	0.100#6	1.0#6	0.049#6	0.25#6
CUPS OR MUGS	>25	<1100	--	0.5#6	--	0.50#6
LARGE PITCHERS, JUGS	--	--	--	0.5#6	--	0.25#6

TEST SAMPLES : METALLIC CARBON STEEL GRINDER

INTERNAL DEPTH (mm)	INTERNAL VOLUME (mL)	VOLUME OF LEACHING SOLUTION (mL) (4% ACETIC ACID)	RESULT	
			LEAD (ppm)	CADMIUM (ppm)
--	--	100	<0.050	<0.050
AVERAGE :			NA	NA

REMARKS: ppm = PARTS PER MILLION
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