七十四年臺北市售陶瓷飲食用具釉面鉛、 鍋、銅、鋅、砷溶出量調查

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貨公司抽購釉面陶瓷飲食用具檢體計100件,檢驗結果三件鉛溶出量不合國家標準,一件鎘溶出量不合國家標準,國產品及進口品各佔兩件,鉛溶出量範圍爲未檢出至36.95ppm,其中78%溶出量在0.5ppm以下,鎘溶出量範圍爲未檢出至2.14ppm,其中89%爲未檢出。銅溶出量範圍爲未檢出至0.39ppm,其中81%爲未檢出,鋅溶出量範圍爲0.01ppm至3.56ppm,其中96%溶出量在0.5ppm以下,砷均爲未檢出。

綜合上述檢驗結果顯示台北市售國產及進口之 陶瓷飲食用具其鉛、鎘溶出量大部份均能符合國家 標準。銅、鋅、砷等溶出量雖無規定,但因大部份 均未檢出,或檢出量甚爲低微,應不致影響大衆健 康。

陶瓷飲食用具釉面鉛、鍋、銅、鉾之中溶出量範圍*及溶出量分析

金屬種類	件數	溶出 量範 圍		溶	出量分	佈	
			未檢出	0.01-0.10ppm	0.10-0.50ppm	0.50-7.00ppm	7.00ppm
鉛	100	未檢出 -36.95ppm	11%	33%	34%	19%	3%
鎘	100	未檢出 -2.14ppm	89%	6%	4%	1%	. –
銅	100	未檢出 -0.39ppm	81%	17%	2%	_	_
鋅	100	0.01ppm-3.56ppm		57%	39%	4%	
砷	100	未檢出	未檢出	-		_	_

^{*} 鉛、鎬之溶出量,中國國家標準訂爲鉛 7.00 ppm以下, 鎬 0.50 ppm以下, 銅、鉾、砷尚無溶出量標準

參考文獻

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INVESTIGATION OF HEAVY METAL CONTENTS FROM GLAZED CERAMIC SURFACE OF TABLE WARES

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ABSTRACT

Heavy metals including of lead, Cadmium, Copper, Zinc and Arsenic were investigated in 100 samples of table wares purchased from department stores. The lead content was in the range of ND-36.95 ppm. The percentage of samples which lead content detected below 0.5 ppm was 78. The cadmium content was in the range of ND-2.14 ppm. The lead contents of 89% of samples were non-detectable. The copper content was in

the range of ND-0.39 ppm. The copper content of 81% of sample were non-detectable. The zinc content was in the range of 0.01 ppm-3.56 ppm. The zin content of 96% of samples was between 0.01 ppm-0.50 ppm. Arsenic was not detected in all of the samples. The lead content of three samples and cadmium content of one sample failed to meet the standard of China.