



ATS JOB # C240787-2

PURCHASE ORDER # 755046

Prepared for

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Purchase Order Credit Card**Subject** EN 71 Part 3 Testing**Material** Clinoptilolite Zeolite sample.**Background and Objective** ATS was asked to test the clinoptilolite samples identified as 12x20 Mesh to determine if it meets the EN 71 Part 3 toy safety requirements.**Test Procedure and Results**

EN 71 Part 3:2013 Migration of Certain 19 Elements

Pass**See Appendix 1 for EN 71-3 test data and results.**



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Figure 1



Appendix 1 to ATS report C240787-2
 Samples of Clinoptilolite Zeolite

ATS C240787-2: EN 71-3:2013 Safety of Toys--Migration of certain 19 elements
 Limits of element migration from accessible parts of toy material
 All figures quoted as mg soluble element per kg material

Element	Al	Sb	As	Ba	B	Cd	Cr+3	Cr+6	Co	Cu	Pb	Mn	Hg	Ni	Se	Sr	Sn	Zn	Organic Sn
Limits Category III mg/kg	70000	560	47	18750	15000	17	460	0.2	130	7700	160	15000	94	930	460	56000	180000	46000	12

Description of Sample	Results of Analysis (mg/kg)																		
12x20 Mesh	360	1	2	4	2	<1	<0.1 ¹	<0.1 ¹	<1	<1	<1	9	<1	<1	4	3	6	4	6 ²

- (1) Total Cr
- (2) Total Sn. The determination of elemental tin in migration solutions may be used to infer compliance with the requirements of organic tin when both inorganic and organic tin are available in the same migration solution. If the total content of an element in a toy material is known, and less than a maximum migration limit, this can be used to demonstrate compliance. Source: EN71-3:2013 (E) Annex I.1