



TÜV SÜD America Inc. Product Safety Services

47523 Clipper Drive, Plymouth, MI 48170

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ASTM F 2075-10a

Standard Specification for Engineered Wood Fiber for Use as a Playground Safety Surface Under and Around Playground Equipment, Section 4.6/9.4

Manufacturer: Soil Express

Report Date: 1/23/13

Location: Prosper, TX

Job No.: QI1300754-1

Product Brand Name/Number: EcoKid Express

4.6.1 Per 9.4.2.3 Tramp Metals

Level – 0" – 15"

Quadrant 1
Pass ☒ Fail ☐

Quadrant 2
Pass ☒ Fail ☐

Quadrant 3
Pass ☒ Fail ☐

Quadrant 4
Pass ☒ Fail ☐

Level – 15" – 30"

Quadrant 1
Pass ☒ Fail ☐

Quadrant 2
Pass ☒ Fail ☐

Quadrant 3
Pass ☒ Fail ☐

Quadrant 4
Pass ☒ Fail ☐

Level – 30" – 45"

Quadrant 1
Pass ☒ Fail ☐

Quadrant 2
Pass ☒ Fail ☐

Quadrant 3
Pass ☒ Fail ☐

Quadrant 4
Pass ☒ Fail ☐

Level – 45" – 60"

Quadrant 1
Pass ☒ Fail ☐

Quadrant 2
Pass ☒ Fail ☐

Quadrant 3
Pass ☒ Fail ☐

Quadrant 4
Pass ☒ Fail ☐

Pass ☒

Fail ☐

Comments:

Test Performed By: Timothy Franklin

Date: 1/23/13

Reviewed By: Kurt E. Smith

Date: 2/1/13



America

Sieve Analysis
ASTM F2075-10a Section 4.4 per 7.4

Participant: Soil Express Test Date: 1/24/13
Location: Prosper, Texas
Product Brand Name: EcoKid Express Job#: QI1300754-2

Initial Sample Dry Weight (g)= 467.9

3/4" Sieve

Material remaining 0.0 g ÷ Initial sample weight (g)= 467.9 x 100 = 0.0 % not passing 3/4" sieve

100% - 0.0 % not passing 3/4" Sieve = 100.0 % Passing Sieve

3/8" Sieve

Material remaining 39.6 g ÷ Initial sample weight (g)= 467.9 x 100 = 8.5 % not passing 3/8" sieve

100% - 8.5 % not passing 3/8" Sieve + 0.0 % not passing 3/4" Sieve = 91.5 % Passing Sieve

#16 Sieve

Material remaining 405.7 g ÷ Initial sample weight (g)= 467.9 x 100 = 86.7 % not passing #16 sieve

100% - 86.7 % not passing #16 Sieve + 0.0 % not passing 3/4" Sieve + 8.5 % not passing 3/8" Sieve = 4.8 % Passing Sieve

Sieve Size	Min / Max Requirements	% Loss by Sieve (Percent Passing)
3/4" (19.05 mm)	99 - 100 %	100.0
3/8" (9.53 mm)	75 - 100 %	91.5
No.16 (0.0469in.)	0 - 15 %	4.8

Sample in compliance with ASTM F2075-10 for Sieve
Analysis Section 4.4 per 7.4

Yes ☒ No ☐

Test Performed By: [Signature]

Date: 1/24/2013

Reviewed By: [Signature]

Date: 2/1/13

The results reported herein reflect the performance of the above described samples at the time of testing and at the temperature(s) reported. The results are specific to the described samples. Samples of surfacing materials that do not closely match the described samples will perform differently. The following data sheet provides an accurate representation of the test results.

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ASTM F2075-10a, Section 4.5.2 per 8.0 Hazardous Metals Test

Manufacturer Soil Express
Contact Linda Hudspeth
Address 166 W. Frontier Pkwy., Prosper, TX 75078
Manufacturing Location Prosper, TX
Product Brand Name EcoKid Express

PURCHASE ORDER: # 2000002605

TÜV JOB# QI1300754-4

The following ISO 17025-accredited Laboratory performed testing:

St. Louis Testing Laboratories, Incorporated
2810 Clark Avenue
St. Louis, MO 63103

St. Louis Testing Laboratory report attached (1 page).

Test Result: Pass X Fail

Prepared By:

Timothy Fouchia
Timothy Fouchia, Test Technician

1/31/13
Date

Reviewed and Approved By:

Keith Shelton
Keith Shelton, Certification Program Manager

2/1/13
Date



2810 Clark Avenue • St. Louis, MO 63103-2574 • (314) 531-8080 • FAX (314) 531-8085
Chemical, Metallurgical, Mechanical, Nondestructive, Environmental Testing, Analyses and Field Service.

TUV SUD AMERICA, INC.
47523 Clipper St.
Plymouth, MI 48170

January 30, 2013
Lab No. 13C-0150
Invoice No. 161329
P. O. No. 2000002605
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Attention: Janice Gudenau

REPORT OF ANALYSIS

MATERIAL: QI1300754
SUBJECT: Soluble Heavy Metals Analysis
STANDARD: ASTM F2075-10
TEST METHOD: ASTM F2075-10 (ICP-AES)
UNITS: Soluble Heavy Metals - Parts per Million (ppm)

RESULTS:

Substance	QI1300754	Maximum Allowable Limit	Method Detection Limit
Soluble Antimony	<50	60	50
Soluble Arsenic	<15	25	15
Soluble Barium	<900	1000	900
Soluble Cadmium	<65	75	65
Soluble Chromium	<50	60	50
Soluble Lead	<80	90	80
Soluble Mercury	<50	60	50
Soluble Selenium	<400	500	400

The soluble heavy metals contents of the tested products are in compliance with the requirements of the above-indicated standard.

Identification of tested specimens provided by the client.

RES/bb

Robin E. Sinn
Laboratory Director



AN OFFICIAL COPY OF TEST REPORT WILL BE PROVIDED BY THIS LABORATORY ON REQUEST.
NOT OFFICIAL WITHOUT THE RAISED SEAL OF ST. LOUIS TESTING LABORATORIES, INC.
SEE REVERSE FOR CONDITIONS.

