

## Subcontracted Analysis

**One Nation Engineering Inc.**

26 Shaughnessy Cres  
Kanata, ON K2K 2P2  
Attn: Darrin McMullin

Tel: (613) 867-7404  
Fax: 000-000-000

Paracel Report No **1728188**

Client Project(s): **009**

Client PO:

Reference: **Standing Offer**

CoC Number: **33407**

Order Date: 11-Jul-17

Report Date: 10-Aug-17

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Sample(s) from this project were subcontracted for the listed parameters. A copy of the subcontractor's report is attached

**Paracel ID**

**Client ID**

1728188-01

SM-1Da

Particle Size Distribution by Digital Imaging



**SOLUTIONS**  
*FOR A WORKING WORLD*

August 09, 2017

## **ANALYTICAL REPORT**

**Particle Size Distribution Analysis**  
**Project Name: 1728188**  
**LEX File #: 08171300**

Mr. Dale Robertson  
Paracel Laboratories Ltd.  
300 – 2319 St. Laurent Blvd  
Ottawa, ON, K1G 4J8

Dear Mr. Dale Robertson:

On July 20, 2017, LEX Scientific Inc. received one liquid sample for particle size distribution analysis. The requested work has been completed and the results are contained in this report.

If you have any questions about this report, please do not hesitate to contact me.

Yours Sincerely,

A handwritten signature in black ink, appearing to read "German Leal", with a horizontal line underneath.

German Leal, B.Sc.  
Laboratory Manager

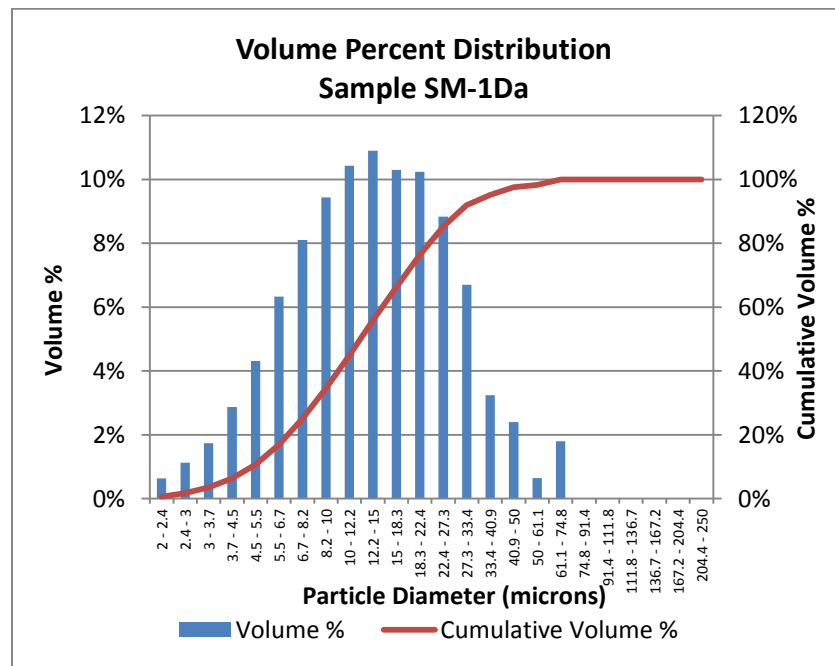
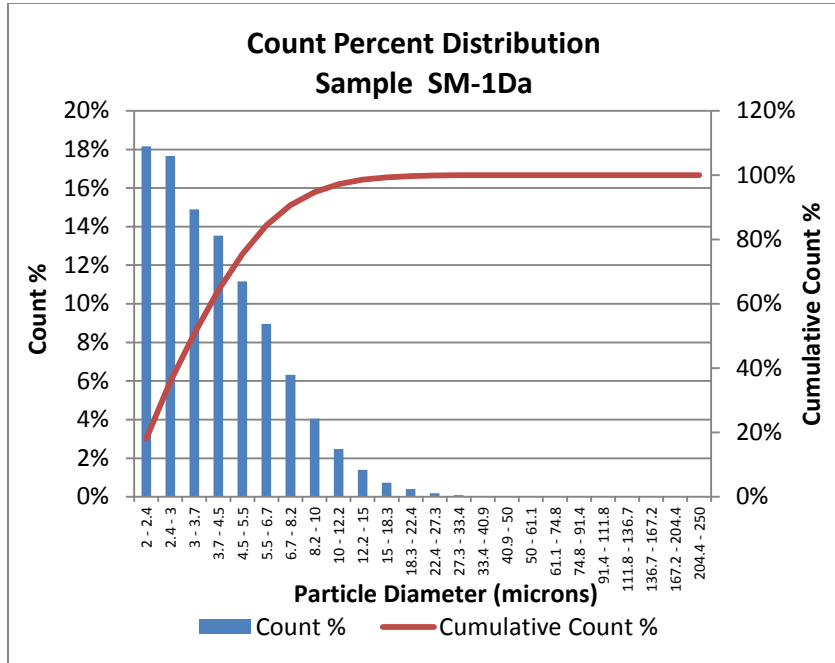
### Methods

Particulates from the sample were analyzed using a computerized digital image system.

### Results

Data applies for the reporting size range only.

Sample: SM-1Da



Data for Sample: SM-1Da

| Diameter<br>(microns) | Count   |       |            | Volume |            |
|-----------------------|---------|-------|------------|--------|------------|
|                       | (Ct/mL) |       | Cumulative |        | Cumulative |
| 2 - 2.4               | 704,454 | 18.2% | 18%        | 0.6%   | 1%         |
| 2.4 - 3               | 685,033 | 17.7% | 36%        | 1.1%   | 2%         |
| 3 - 3.7               | 577,475 | 14.9% | 51%        | 1.7%   | 3%         |
| 3.7 - 4.5             | 524,783 | 13.5% | 64%        | 2.9%   | 6%         |
| 4.5 - 5.5             | 432,753 | 11.2% | 75%        | 4.3%   | 11%        |
| 5.5 - 6.7             | 347,591 | 9.0%  | 84%        | 6.3%   | 17%        |
| 6.7 - 8.2             | 244,955 | 6.3%  | 91%        | 8.1%   | 25%        |
| 8.2 - 10              | 156,779 | 4.0%  | 95%        | 9.4%   | 35%        |
| 10 - 12.2             | 95,693  | 2.5%  | 97%        | 10.4%  | 45%        |
| 12.2 - 15             | 54,409  | 1.4%  | 99%        | 10.9%  | 56%        |
| 15 - 18.3             | 28,082  | 0.7%  | 99%        | 10.3%  | 66%        |
| 18.3 - 22.4           | 15,529  | 0.4%  | 100%       | 10.2%  | 76%        |
| 22.4 - 27.3           | 7,440   | 0.2%  | 100%       | 8.8%   | 85%        |
| 27.3 - 33.4           | 3,052   | 0.1%  | 100%       | 6.7%   | 92%        |
| 33.4 - 40.9           | 801     | 0.0%  | 100%       | 3.2%   | 95%        |
| 40.9 - 50             | 305     | 0.0%  | 100%       | 2.4%   | 98%        |
| 50 - 61.1             | 38      | 0.0%  | 100%       | 0.6%   | 98%        |
| 61.1 - 74.8           | 76      | 0.0%  | 100%       | 1.8%   | 100%       |
| 74.8 - 91.4           | 0       | 0.0%  | 100%       | 0.0%   | 100%       |
| 91.4 - 111.8          | 0       | 0.0%  | 100%       | 0.0%   | 100%       |
| 111.8 - 136.7         | 0       | 0.0%  | 100%       | 0.0%   | 100%       |
| 136.7 - 167.2         | 0       | 0.0%  | 100%       | 0.0%   | 100%       |
| 167.2 - 204.4         | 0       | 0.0%  | 100%       | 0.0%   | 100%       |
| 204.4 - 250           | 0       | 0.0%  | 100%       | 0.0%   | 100%       |

Totals:

3,879,248      100%

100%

Mean (Count):                      4.5 µm  
 Mean (Volume):                    16.7 µm

