

## Test Report

**UES Co.,Ltd**

Quality Control Department

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### Sample

SDGs Pelletized Carbon for Soil Improvement

Code : **SDG-3**

### Test Item

Hexavalent Chromium Removal Test

### Test Overview

100 mL of the target solution (Cr: 179.8 ppm) was placed in a 200 mL Erlenmeyer flask. SDG-3 was added at weight ratios of 1% (1 g), 2% (2 g), 3% (3 g), and 5% (5 g). The residual chromium concentration was measured over time.

### Measurement Method

Energy Dispersive X-ray Fluorescence Spectrometer (EDX-7000, Shimadzu Corporation)

### Test Results

Unit: %

Specimen	Day 7	Day 14	Day 21	Day 26	Day 40
<b>1% added</b>	84.8	91.9	94.5	95.2	95.4
<b>2% added</b>	91.3	91.4	98.2	98.3	99.1
<b>3% added</b>	95.7	98.9	98.8	99.3	99.9 <
<b>5% added</b>	98.8	99.9	99.7	99.9 <	99.9 <