

Test Report

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【Specimen】

SDGs Pellet Carbon SDG-3

【Test items】

Hexavalent Chromium Removal Test

【Test Summary】

Put 100 mL of target solution (Cr: 179.8ppm) into a 200 mL Erlenmeyer flask and add SDG-3 to 1% (1 g), 2% (2 g), 3% (3 g), and 5% (5 g) by weight. It was put in and the residual concentration for each elapsed number of days was measured.

Measurement method: Energy dispersive X-ray fluorescence analyzer EDX-7000 manufactured by Shimadzu Corporation

【Test Results】

Removal rate unit: %

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