

- Over 90% biodegradation with OECD 301:1990 Method 301B
 - The Raw Material from plants. Zero plastic.
 - Biodegraded directly to CO₂, and H₂O.
 - Degradation conditions – by Hydrolysis, Enzymolysis,
- Biodegradation, Compost degradation: Temperature 25±5°C,
Humidity 50%~60%, Degradation time not exceeding 6 months.

Test Report - Products



TÜVRheinland®
Precisely Right.

Test Report No.: 244560103a 001

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1 Ready Biodegradability (CO₂ Evolution Test)

1.1 General Test Information

A measured volume of inoculated mineral test medium, containing a known concentration of the test item as the nominal sole source of organic carbon was aerated by the passage of carbon dioxide(CO₂)-free air under the controlled conditions. The amount of CO₂ produced was measured during the test. The degree of biodegradation was expressed by the amount of CO₂ produced by the test item (corrected for that derived from the blank inoculum) as a percentage of Theoretical CO₂ (Th(CO₂)).

Test Method: OECD 301:1992 Method 301B

Test Condition: Test temperature: 22 ± 2°C; Test gas: CO₂-free, oil-free air; Aeration rate: 30–100 mL/min; The test was performed in diffused light.

Inoculum: The activated sludge derived from Suzhou Drainage Company Limited (a conventional treatment plant for domestic waste) was selected as inoculum

Reference Item: Sodium benzoate

Standard Item: Sodium carbonate and Sodium bicarbonate

Test Vessels: 4 L brown flasks

CO₂-determination: The CO₂ produced in each test vessel was trapped in sodium hydroxide (NaOH) and the amount of CO₂ was calculated by measuring the concentration of inorganic carbon (IC).

1.2 Summary of Test Results

Test Item	Percentage of Biodegradation (Mineralization)	Test Duration(days)
M001	90.8% (±60%)	28

Conclusion: The test item is readily biodegradable.

For detailed information, please see the following pages.

Available Sizes



1/4" (6.0mm) 0.25HEX



1/8" (3.0mm) 0.125HEX



1/10" (2.5mm) 0.21HEX



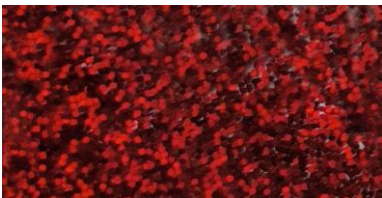
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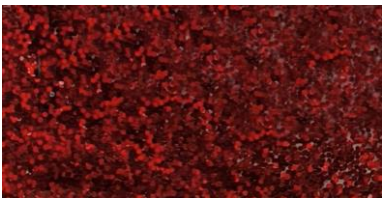
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1/24" (1.0mm) 040HEX



1/32" (0.8mm) 030HEX



1/40" (0.6mm) 025HEX



1/64" (0.4mm) 015HEX



1/128" (0.2mm) 008HEX



1/170" (0.15mm) 006HEX



1/256" (0.1mm) 004HEX

We can also do mixture of different sizes……

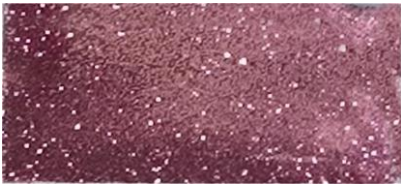
Available Colors



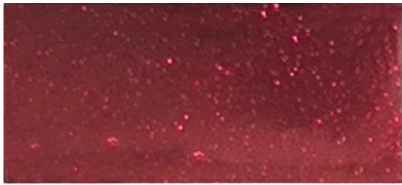
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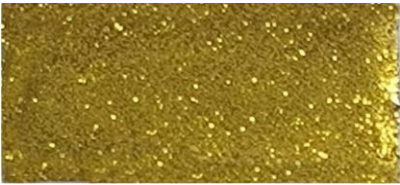
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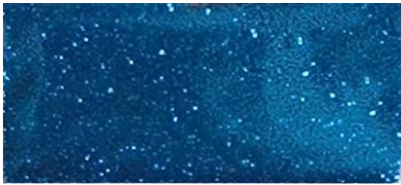
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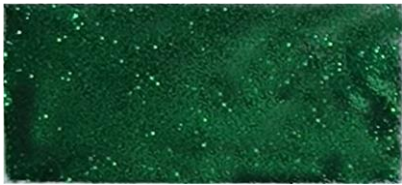
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G3001-Eco



G2420-Eco



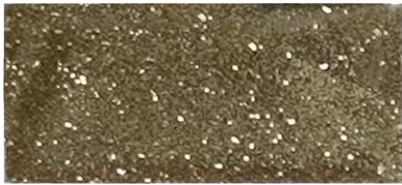
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G2728-Eco



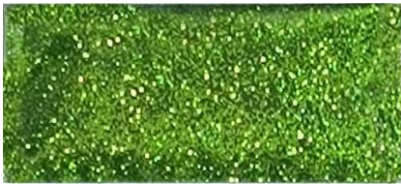
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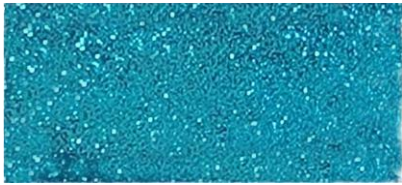
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G2202-Eco



G2303-Eco



G2403-Eco



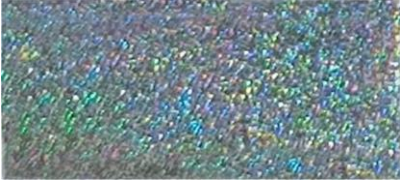
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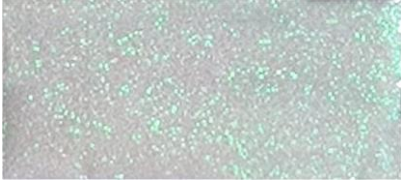
G2217-Eco



G2800-Eco



G1100-Eco



G7800-Eco

More Colors Will Coming Soon……

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