

ENVIRONMENTAL

## The Worlds First Microplastics Reference Materials

Microplastics are tiny plastic pieces ranging from macro- to nano-sized particles that have become widespread pollutants. These non-biodegradable particles accumulate in our surroundings and eventually in food and drinking water making them harmful to both the environment and human health.

Our scientists have focused on these emerging global threats, and are excited to share Chiron MicroPRefs®, the first commercial microplastic reference material. The MicroPRef portfolio is designed to detect the six most abundant plastics in the environment and is available in a novel, easy-to-use tablet formulation. Be among the first labs to join in the fight against environmental pollution by exploring the **NEW line of Chiron MicroPRefs microplastic standards.**

Chiron MicroPRefs®:

- Featuring an easy-to-use tablet format containing a defined number of particles of specified sizes
- Offered in irregular shapes to mimic microplastics found in nature
- Produced for counting particles in a sample using MicroFT-IR, FT-RAMAN or similar techniques



[BIT.LY/MICROPLASTICS-RM](https://bit.ly/microplastics-rm)

+1.800.274.5487

[ANALYTICAL.CS@ZEPTOMETRIX.COM](mailto:ANALYTICAL.CS@ZEPTOMETRIX.COM)

**ZeptoMetrix®**  
an antylia scientific company

| Part No. | Chiron Part No.      | Description                                    | No. of Particles | Particle Size | Unit of Measure | Units/Pack | Matrix |
|----------|----------------------|------------------------------------------------|------------------|---------------|-----------------|------------|--------|
| 24121-65 | 15459.X-TAB          | MicroPRefs® Blank tablet                       |                  |               | EA              | 1          | tablet |
| 24121-66 | 15459.X-TABx3        | MicroPRefs® Blank tablets (3/PK)               |                  |               | PK              | 3          | tablet |
| 24121-68 | 15246.X-50/300-TAB   | MicroPRefs® Polyethylene tablet                | 50-70 particles  | 50-300 µm     | EA              | 1          | tablet |
| 24121-69 | 15246.X-50/300-TABx3 | MicroPRefs® Polyethylene tablets (3/PK)        | 50-70 particles  | 50-300 µm     | PK              | 3          | tablet |
| 24121-71 | 15247.X-50/300-TAB   | MicroPRefs® Polyethylene terephthalate tablet  | 50-70 particles  | 50-300 µm     | EA              | 1          | tablet |
| 24121-72 | 15247.X-50/300-TABx3 | MicroPRefs® Polyethylene terephthalate tablets | 50-70 particles  | 50-300 µm     | PK              | 3          | tablet |
| 24121-74 | 15248.X-50/300-TAB   | MicroPRefs® Polystyrene tablet                 | 50-70 particles  | 50-300 µm     | EA              | 1          | tablet |
| 24121-75 | 15248.X-50/300-TABx3 | MicroPRefs® Polystyrene tablets (3/PK)         | 50-70 particles  | 50-300 µm     | PK              | 3          | tablet |
| 24121-77 | 15249.X-50/300-TAB   | MicroPRefs® Polypropylene tablet               | 50-70 particles  | 50-300 µm     | EA              | 1          | tablet |
| 24121-78 | 15249.X-50/300-TABx3 | MicroPRefs® Polypropylene tablets (3/PK)       | 50-70 particles  | 50-300 µm     | PK              | 3          | tablet |
| 24121-80 | 15250.X-50/300-TAB   | MicroPRefs® Polyvinylchloride tablet           | 50-70 particles  | 50-300 µm     | EA              | 1          | tablet |
| 24121-81 | 15250.X-50/300-TABx3 | MicroPRefs® Polyvinylchloride tablets (3/PK)   | 50-70 particles  | 50-300 µm     | PK              | 3          | tablet |
| 24121-83 | 15251.X-50/300-TAB   | MicroPRefs® Polycarbonate tablet               | 50-70 particles  | 50-300 µm     | EA              | 1          | tablet |
| 24121-84 | 15251.X-50/300-TABx3 | MicroPRefs® Polycarbonate tablets (3/PK)       | 50-70 particles  | 50-300 µm     | PK              | 3          | tablet |
| 24121-86 | S-5401-50/300-TAB    | MicroPRefs® Tablet: Mix of PE, PET, PS         | 70-100 particles | 50-300 µm     | EA              | 1          | tablet |
| 24121-87 | S-5401-50/300-TABx3  | MicroPRefs® Tablets: Mix of PE, PET, PS (3/PK) | 70-100 particles | 50-300 µm     | PK              | 3          | tablet |
| 24121-89 | S-5402-50/300-TAB    | MicroPRefs® Tablet: Mix of PP, PVC, PC         | 70-100 particles | 50-300 µm     | EA              | 1          | tablet |
| 24121-90 | S-5402-50/300-TABx3  | MicroPRefs® Tablets: Mix of PP, PVC, PC (3/PK) | 70-100 particles | 50-300 µm     | PK              | 3          | tablet |

| Part No. | Chiron Part No. | Description                                | No. of Particles | Particle Size | Unit of Measure | Units/Pack | Matrix |
|----------|-----------------|--------------------------------------------|------------------|---------------|-----------------|------------|--------|
| 24121-92 | 15246.X-1MG     | MicroPRefs® Polyethylene                   | -                | 50-300 µm     | EA              | 1          | neat   |
| 24121-93 | 15247.X-1MG     | MicroPRefs® Polyethylene terephthalate     | -                | 50-300 µm     | EA              | 1          | neat   |
| 24121-94 | 15248.X-1MG     | MicroPRefs® Polystyrene                    | -                | 50-300 µm     | EA              | 1          | neat   |
| 24121-95 | 15249.X-1MG     | MicroPRefs® Polypropylene                  | -                | 50-300 µm     | EA              | 1          | neat   |
| 24121-96 | 15250.X-1MG     | MicroPRefs® Polyvinylchloride              | -                | 50-300 µm     | EA              | 1          | neat   |
| 24121-97 | 15251.X-1MG     | MicroPRefs® Polycarbonate                  | -                | 50-300 µm     | EA              | 1          | -      |
| 24121-98 | 15558.6-KIT-1MG | MicroPRefs® PE, PET, PS, PP, PVC, & PC Kit | -                | 50-300 µm     | KIT             | 6          | neat   |



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