



ANELLOTECH OFFERS DRUM-QUANTITY SAMPLES OF RECYCLED BTX MADE FROM MIXED WASTE PLASTICS VIA PLAS-TCAT® PROCESS

Pearl River, N.Y, November 29, 2022 — Anellotech is pleased to announce that it is offering drum-quantity product samples of aromatics produced from recycled mixed waste plastics. The recycled benzene, toluene and xylenes (BTX) will be available to current and potential commercial partners.

The samples are made at Anellotech's TCat-8® facility — a fully automated, 30-meter-tall pilot plant located inside Trecora's Silsbee, Texas facility— during ongoing studies demonstrating Anellotech's Plas-TCat® catalytic pyrolysis technology. TCat-8 can operate 24/7 and converts a representative mixed waste plastics feedstock — including all major plastic types, with the exception of PVC, into BTX, light olefins and paraffins.

“Anellotech can offer BTX samples made directly from mixed waste plastics to potential commercial partners to encourage engagement with our program,” says David Sudolsky, President and CEO of Anellotech. “Unlike thermal pyrolysis, Plas-TCat makes BTX and other chemicals in one reactor, providing true 100-percent recycled BTX (not mass balance approach) for studies today and eventual future commercial use.”

Based on a proprietary catalyst and fluid bed reactor-regenerator system, Plas-TCat provides a new, direct route to light olefins and aromatics from plastic waste streams — such as polyolefins, polyamides (nylon), polyethylene terephthalate (PET), polycarbonate and polystyrene — without the need for steam cracker furnaces. The resulting output of benzene, toluene and xylenes, as well as ethylene, propylene and butylene (light olefins), are suitable after separation for plastics manufacturers to produce a wide range of virgin plastics.

For more information visit anellotech.com.



Figure 1: TCat-8

Composition of Plastic Waste, %

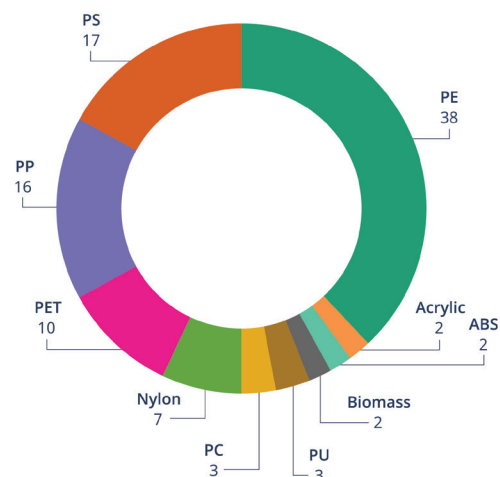


Figure 2: Feedstock Comparison

About Anellotech

Founded in 2008, Anellotech (<http://www.anellotech.com>) is a sustainable technology company focused on commercializing the innovative production of cost-competitive renewable chemicals and fuels from non-food biomass or waste plastics. Its fully developed and patented Bio-TCat™ technology is an efficient thermal catalytic process for converting biomass into benzene, toluene and xylenes, which are chemically identical to their petroleum-based counterparts.