

500ml Clear BioCup

Product: 500ml Clear BioCup

SKU: R-500Y

URL: <https://www.sipandpak.com.au/product/500ml-clear-biocup/>

BioPak specification

Unit weight (g)	11.3
Packaging type	Cup
Raw material	Bioplastic - PLA
Lining	None
Home compostable	No
Industrial compostable	Certified to AS4736 Australian Standards, Certified to EN13432 European Standards
Recyclable	Not Recyclable
Certifications	Industrially compostable: Certified to AS4736 Australian Standards, Certified to EN13432 European Standards · Environmental production certified: ISO 14001 · Factory food safety certified: FSSC 22000
PFAS	Not applicable

Impact estimate (500 units/week x 52 weeks)

Annual units	26,000
Format benchmark	16oz single-wall cup (conventional PE-lined benchmark)
Industry benchmark	16oz single-wall cup (conventional PE-lined benchmark)
Sustainable unit mass (g)	11.3
Conventional unit mass (g)	15.5
Fossil polymer saved (kg/year)	31.20
Mass saved (kg/year)	109.04
Polymer reduction (%)	100.0
Mass reduction (%)	27.1
Conventional packaging total (kg/year)	403.00
Sustainable packaging total (kg/year)	293.96
Confidence	High
Data source	sku
Sustainability highlights	Bioplastic - PLA; No; Industrially compostable: Certified to AS4736 Australian Standards, Certified to EN13432 European Standards · Environmental production certified: ISO 14001 · Factory food safety certified: FSSC 22000; Recyclable: Not Recyclable

Methodology

Equivalent Format Comparison (EFC): BioPak specification unit mass vs industry conventional packaging mass for the matched format, plus fossil polymer estimate using typical PE/PS/PP fractions. SKU R-500Y weight from BioPak specifications. Indicative estimate only - not a certified life-cycle assessment (ISO 14040/14044). Compares BioPak published unit masses to conventional equivalent-format benchmarks used in Australian

foodservice (PE-lined cups, PP clamshells, PS lids). For procurement reporting, request substantiated SKU documentation from Sip and Pak. Typically within $\pm 15\%$ for fossil polymer estimate when a BioPak SKU and format benchmark both match.