

Bio4HUMAN - Identifying bio-based solutions for waste management applicable to the humanitarian sector

Bio-Based Solution Info Sheet

METALLISED BARRIER LAYER FOR FOOD CONTACT APPLICATIONS - TONGLI PACKAGING



Baseline alternative

Metallized sachets for food.



General description

- This solution is made from PLA, cellulose metallized and cellophane.
- It can be used to contain Ready-to-Use Therapeutic food (RUTF).
- High barriers to moisture, sunlight, and oxygen.



Lifespan

Single-use product. Same lifespan as that of the conventional product (2 years).



Cost

0.047 EUR per unit VS baseline: 150 sachets for 50.40 EUR (0.33 EUR per sachet).



Environmental aspects - added value

End of life: 100% biodegradable and home-compostable in natural conditions.



Additional comments

- The data are estimates because these products are not currently manufactured with these dimensions.
- Usually beneficiaries bring empty pouches back to a health facility.



SCAN FOR BIO-BASED SOLUTIONS PORTFOLIO OF ALL SOLUTIONS

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