

<b>UNiGEN</b>	<b>SPECIFICATION</b>	<b>Doc. #: Spec-049</b> <b>Rev. #: 010</b>	<b>Effective Date:</b> <b>02/14/2019</b>
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**PRODUCT SPECIFICATION**

**PRODUCT NAME:** Bakutrol®  
**PRODUCT CODE:** UP256  
**ORIGIN:** Proprietary extract of *Psoralea corylifolia* seeds

US Patent #: 9713596

ATTRIBUTE	METHOD	SPECIFICATION
Color and Appearance	STP-001 or equivalent	Brownish red viscous liquid
Odor	STP-001 or equivalent	Mild, characteristic
Loss on Drying	STP-002, compendial method or the equivalent	NMT 5%
Identification Assay: Bakuchiol Content Total of Psolaren & Angelicin	STP-037, compendial method or the equivalent	Chromatogram match NLT 60% NMT 100 ppm
Pesticides	STP-030 (USP <561>), compendial method or the equivalent	Complies with set limits
Total Heavy Metals	ICP-MS, compendial method or the equivalent As Pb Hg Cd	NMT 2 ppm NMT 2 ppm NMT 1 ppm NMT 1 ppm
Organic Solvent Residues	STP-012, compendial method or the equivalent	Complies with USP <467> limit
Total Aerobic Plate Count	USP/AOAC, compendial method or the equivalent	< 500 cfu/g
Total Coliforms	USP/AOAC, compendial method or the equivalent	Not detected
Mold & Yeast	USP/AOAC, compendial method or the equivalent	< 100 cfu/g

Approved by   
Operations

Date 2/14/19

Approved by   
R & D

Date 2/14/19

Approved by   
Regulatory

Date 2/14/19