

Product Data Sheet

Avela™ (R)-1,3-Butanediol

Sugar-free ketogenic energy for any lifestyle

UNLOCK ENERGY AND PERFORMANCE.

Avela[™] is the new functional ingredient you've been waiting for – a fast source of energy, metabolic flexibility, and mental clarity. Made from plant sugars using Geno's sustainable, proprietary fermentation process, Avela[™] removes the complexities of formulating with other ketogenic ingredients while delivering all the benefits —no diet limitations required.

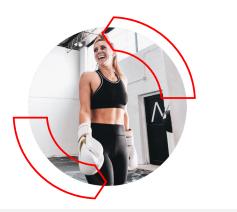
CREATE BREAKTHROUGH PRODUCTS.

Avela[™] makes the benefits of ketones available and accessible to every lifestyle.

- Easy to Formulate, Easy to Flavor
- Raises BHB Levels for Fast Energy
- Biologically Effective R
 Enantiomer
- Plant-based + Sustainable
- GRAS Affirmed*

Request your Avela[™] professional sample kit today at **avelaup.com**





IMPORTANT USAGE INSTRUCTIONS

Up to 11.5 g per serving, up to 3 times daily

STORAGE

Avela[™] should be kept in a cool, dry place

PROPERTIES		CHARACTERISTIC	LIMIT
Product Form	Liquid	Purity (%)	Min 99.7
Trade Name	Avela	Chiral Purity (%)	Min 99.0
Chemical Name	(R)-(-)-butane-1,3-diol	Color (Pt-Co)	<10
IUPAC Name	butane-1,3-diol	Specific Gravity at 20°C	1.004-1.006
CAS-No.	6290-03-5	Water (%, wt.)	Not more than 0.5
EC Number	228-532-0	Acid Value (mg KOH/g)	Not more than 0.5

AVELA™ SPORTS DRINK FORMULATION

INGREDIENT		%
Water		95.68
Avela™ (R)-1,3-Buta	nediol	3.23
Citric Acid		0.34
Malic Acid		0.09
Sucralose		0.02
Acesulfame-K		0.01
Natural Lemonade	Type Flavor	0.30
Flavor Maskers		0.20
Sea Salt		0.06
Potassium Sorbate)	0.03
Sodium Benzoate		0.03
		100.00

Nutrition	Facts			
1 servings per container Serving size 12 fl oz (355ml)				
Amount Per Serving Calories	90			
	% Daily Value*			
Total Fat 0g	0%			
Saturated Fat 0g	0%			
Trans Fat 0g				
Cholesterol Omg	0%			
Sodium 100mg	4%			
Total Carbohydrate 0g	0%			
Dietary Fiber 0g	0%			
Total Sugars 0g				
Includes 0g Added S	ugars 0%			
Protein Og	0%			
Vitamin D 0mcg	0%			
Calcium 0mg	0%			
Iron Omg	0%			
Potassium 0mg	0%			
 The % Daily Value (DV) tells you h serving of food contributes to a dai day is used for general nutrition ad 	ly diet. 2,000 calories a			

This information is considered accurate and reliable as of the date appearing on this document, is valid for Avela™ (R)-1,3-Butanediol manufactured by Genomatica and delivered in factory packed, sealed containers and is presented in good faith. Because use conditions and applicable laws may differ from one location to another and may change with time, Recipient is responsible for determining whether the information in this document is appropriate for Recipient's use. Since Genomatica has no control over how this information may be ultimately used, all liability is expressly disclaimed and Genomatica assumes no obligation or liability, therefore. No warranty, express or implied, is given nor is freedom from any patent owned by Genomatica or others to be inferred. The Avela™ logo, the Avela™ name, the Genomatica, Geno, the Genomatica spiral logo, are registered or pending trademarks of Genomatica, lnc. in the EU, US and other countries.

