

## AP 301P

### Spray-Dried Porcine Blood Cells (Haemoglobin)

**GENERAL DESCRIPTION** | AP 301P is a top quality pure porcine protein product that is composed of highly digestible and palatable proteins. AP 301P can be used as a partial or complete replacement for high quality protein ingredients.

**GUARANTEED ANALYSIS**

Crude Protein <sup>1</sup>	92.0% min.	Moisture	9.0% max.
Ash	5.0% max.		

**TYPICAL ANALYSIS**

Solubility	80.0%	Chloride	0.6%
Sodium	0.4%	Potassium	1.1%
Iron	2700 ppm	DE <sup>2</sup>	4483 Kcal/Kg
Calcium	0.02%	ME <sup>2</sup>	4270 Kcal/Kg
Phosphorous	0.35%	Crude Fat	<0.3%
Crude Fiber	-0.3%	Taurine	123 mg/kg

**TYPICAL AMINO ACID PROFILE (%)**  
(Total / Il. Digestible<sup>3</sup>)

	<u>TOTAL</u>	<u>Il. Dig</u>		<u>TOTAL</u>	<u>Il. Dig</u>
Alanine	7.6	7.6	Lysine	9.0	8.8
Arginine	4.0	4.0	Methionine	0.8	0.8
Aspartic Acid	11.4	11.2	Phenylalanine	7.1	7.0
Cystine	0.6	0.5	Proline	3.8	3.7
Glutamic Acid	8.7	8.2	Serine	4.4	4.3
Glycine	4.7	4.7	Threonine	3.6	3.5
Histidine	7.5	7.4	Tryptophan	1.2	1.1
Isoleucine	0.6	0.3	Tyrosine	2.2	1.9
Leucine	13.4	13.1	Valine	9.2	9.0

**PHYSICAL PROPERTIES**

- Appearance: Fine dark reddish/brown colored powder.
- Solubility: 80% soluble in water.
- Odor: Meaty.

**PACKAGING** | AP 301P is packaged in 25 kg poly-lined, double-walled bags and in big-bags of approx. 1.000 Kg. It is also available in bulk.

**STORAGE** | Store in a cool, dry environment in a closed package up to 2 years.

**INTENDED USES** | The product is suitable for feeding all species of farmed animals (swine, poultry and aqua) included pet and fur animals; except ruminants according to Regulation (EC) 56/2013.

**USER RECOMMENDATIONS**

- Throughout the whole growth stages, per formulation requirements of the target diet.

<sup>1</sup>AOAC Official Method 990.03 / Combustion Method (LECO)

<sup>2</sup>Based on equations of Ewan, R.C. 1989. Predicting the energy utilization of diets and feed ingredients by pigs. U. van de Honing and W.H. Close.(Ed.) energy Metabolism of Farm Animals. Pudoc Wageningen, Netherlands. EAAP Pub. 43:215.

<sup>3</sup>Standardized ileal digestibility determined in swine.

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