

# AP920<sup>®</sup> Animal Plasma

**Ordering Information:** Please contact your local sales representative to obtain SKU and pricing information for the package size that is right for you. If you do not know your local sales representative, please call 1-515-289-7600 for further assistance.

**General Description:** **AP920** is a protein product composed of albumin and globulin proteins. The biological characteristics of the proteins have been preserved. AP920 is a high-quality protein source with numerous applications.

**Origin:** Bovine

**Guaranteed Analysis:**

Crude Protein, min .....	78%	Crude Fiber, max .....	0.5%
Crude Fat, min .....	0.3%	Ash, max .....	10%

**Typical Analysis:**

Solubility .....	88%	Phosphorus .....	1.3%
Iron .....	90 ppm	Magnesium .....	0.03%
Sodium .....	2.2%	Moisture .....	8%
Chloride .....	1.1%	DE <sup>1</sup> .....	4108 Kcal/kg
Potassium .....	0.3%	ME <sup>1</sup> (Swine) .....	3906 Kcal/kg
Calcium .....	0.15%	ME <sup>2</sup> (Poultry) .....	3831 Kcal/kg

**Typical Amino Acid Profile [SID<sup>3,4,5</sup>] (as fed):**

Alanine [93] .....	4.2%	Lysine [95] .....	6.8%
Arginine [97] .....	4.7%	Methionine [94] .....	0.7%
Aspartic Acid [91] .....	7.9%	Phenylalanine [94] .....	4.6%
Cystine [91] .....	2.8%	Proline [100] .....	4.5%
Glutamic Acid [92] .....	11.7%	Serine [93] .....	4.7%
Glycine [89] .....	3.0%	Threonine [92] .....	4.8%
Histidine [94] .....	2.8%	Tryptophan [98] .....	1.4%
Isoleucine [93] .....	2.9%	Tyrosine [92] .....	3.6%
Leucine [94] .....	7.8%	Valine [94] .....	5.3%

**Physical Properties:** **Appearance:** Uniform off white to beige-colored powder  
**Odor:** Neutral

**Packaging:** For available packaging options, contact your APC sales representative.

**Storage:** Store in a cool, dry environment in a closed package.

<sup>1</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>2</sup> Menten.J.F.M., F.A.Longo, J.O.B. Sorbora, A.A. Pedrosa, A.N. Figueiredo, A.M.C. Raconicci, and J.B. Gaiotto. 2003. Metabolizable energy of alternative protein ingredients for newly hatched chicks. Poult Sci. 82 (Suppl. 1):67-68.

<sup>3</sup> SID - Standardized ileal digestibility coefficient corrected for endogenous AA loss, as determined in swine (%);

<sup>4</sup> Rojas, O.J. and H.H. Stein. 2012. Nutritional value of animal proteins fed to pigs. Midwest Swine Nutrition Conference, p 9-24;

<sup>5</sup> Gottlob, R.O., J.M. DeRouchey, M.D. Tokach, R.D. Goodband, S.S. Dritz, J.L. Nelssen, C.W. Hastad, and D.A. Knabe. 2006. J. Anim. Sci. 84:1396-1402.

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