

AMINO ACID COMPARISON CHART

EnterraProtein™ is a nutritious and sustainable pet food ingredient made from whole, dried Black Soldier Fly grubs. See how it stacks up against other dog food ingredients for essential amino acids.

Learn more about EnterraProtein at enterra.com

Essential amino acid (mg/g protein)	Adult Dog Maintenance Minimum (AAFCO)*	Beef**	Pork**	Chicken**	Soybean**	Cereal Grains**	Brown Rice**	Black Soldier Fly Larvae***
Arginine	28	65	66	64	86	56	76	57
Lysine	35	83	79	80	74	35	39	65
Histidine	10	33	31	28	30	23	26	39
Isoleucine	20	44	48	48	54	38	43	46
Leucine	33	79	76	71	91	71	83	76
Valine	27	49	52	48	56	50	59	66
Methionine + Cysteine	24	36	38	40	33	42	35	25
Phenylalanine + Tyrosine	41	72	74	69	100	83	90	112
Threonine	32	43	52	41	48	32	37	42
Tryptophan	11	12	15	11	16	15	13	16
Total essential amino acids	261	516	531	500	588	445	501	544

* The Association of American Feed Control Officials guidelines

** nutritiondata.self.com

*** Evaluation of Black Soldier Fly (*Hermetia illucens*) Larvae and Pre-Pupae Raised on Household Organic Waste, as Potential Ingredients for Poultry Feed, March 2019

