

Supplemental Table 1. Technical Data Sheets for dietary information on both A. Chow (2018SX Teklad Global 18% Protein Extruded Rodent Diet) and B. Liquid Diets (PMI Micro-Stabilized Alcohol Rodent Liquid diet LD 101A ). Differences are seen in protein, minerals, vitamins and some nutrients.

#### A. 2018SX Teklad Global 18% Protein Extruded

##### 2018SX Teklad Global 18% Protein Rodent Diet

**(Sterilizable)** is designed and manufactured with high quality ingredients. 2018S is a **fixed formula** diet containing a minimum of 18% protein and 5% fat.

##### Vitamins

Vitamin A iu/g 30.7  
*Retinol* mg/kg 9.3  
 Vitamin D3 iu/g 2.1  
*Cholecalciferol* ug/kg 51  
 Vitamin E (a-tocopherol) mg/kg 128.0  
 Vitamin K3 (menadione) mg/kg 102.0  
 Vitamin B1 (thiamine) mg/kg 117.6  
 Vitamin B2 (riboflavin) mg/kg 27.2  
 Avail. Niacin (nicotinic acid) mg/kg 87.3  
 Vitamin B6 (pyridoxine) mg/kg 26.8  
 Pantothenic Acid mg/kg 141.6  
 Vitamin B12 (cyanocobalamin) ug/kg 150  
 Avail. Biotin mg/kg 0.8  
 Folate mg/kg 8.4  
 Vitamin C mg/kg —  
 Choline mg/kg 1120.0  
 B Carotene mg/kg 2.5  
 Inositol mg/kg 1450.0

##### Fatty Acids

C16:0 Palmitic g/kg 7.6  
 C18:0 Stearic g/kg 1.5  
 C18:1 $\omega$ 9 Oleic g/kg 12.6  
 C18:2 $\omega$ 6 Linoleic g/kg 31.3  
 C18:3 $\omega$ 3 Linolenic g/kg 2.8  
 Total Saturated g/kg 9.6  
 Total Monounsaturated g/kg 12.8  
 Total Polyunsaturated g/kg 34.1

Cholesterol mg/kg —  
 \*Calculations performed using values of 4 kcal/g for protein and carbohydrate and 9 kcal/g for oil (fat).

##### Macronutrients

Crude Protein % 18.8  
 Crude Oil (Fat) % 6.0  
 Crude Fiber % 3.8  
 Ash % 5.9  
 Carbohydrate (available) % 50.0  
 Starch % 45.0  
 Sugar % 5.0  
 Digestible Energy<sup>t</sup> Kcal/g (MJ/kg) 3.4(14.0)  
 Metabolizable Energy<sup>t</sup> Kcal/g (MJ/kg) 3.3(13.7)  
 Calories from Protein\* % 23  
 Calories from Fat\* % 17  
 Calories from Carbohydrate\* % 60

##### Minerals

Calcium % 1.00  
 Phosphorus % 0.65  
 Sodium % 0.23  
 Potassium % 0.68  
 Chloride % 0.40  
 Magnesium % 0.20  
 Zinc mg/kg 77.0  
 Manganese mg/kg 118.0  
 Copper mg/kg 15.0  
 Iodine (added) mg/kg 12.0  
 Iron mg/kg 225.0  
 Selenium ug/kg 200

Cobalt ug/kg 600  
 Chromium ug/kg 500  
**Amino Acids**  
 Aspartic Acid % 1.42  
 Glutamic Acid % 3.70  
 Alanine % 1.08  
 Glycine % 0.79  
 Threonine % 0.67  
 Proline % 1.55  
 Serine % 0.97  
 Leucine % 1.94  
 Isoleucine % 0.85  
 Valine % 0.95  
 Phenylalanine % 0.99  
 Tyrosine % 0.61  
 Phe + Tyr % 1.60  
 Methionine % 0.43  
 Cystine % 0.33  
 Met + Cyst % 0.76  
 Lysine % 1.03  
 Histidine % 0.47  
 Arginine % 1.06  
 Tryptophan % 0.20  
 Available Lysine % 0.83

B. Micro-Stabilized Alcohol Rodent Liquid Diet Mix – LD 101A

#### GUARANTEED ANALYSIS

Crude protein not less than	26.0%
Crude fat not less than	24.5%
Crue fiber not more than	16.5%
Ash not more than	8.2%

Diet composition varies according to the amount of alcohol added to maintain an isocaloric diet. T  
 For Calculation purposes:

- 140 gm dry Alcohol Rodent Liquid Diet mix=640 kcal.
- Ethanol=7.07 kcal/gm
- PMI Maltodextrin LD 104=4.0 kcal/gm

#### CHEMICAL COMPOSITION<sup>1</sup>

<b>Nutrients (2)</b>	Recon- stituted <sup>2</sup>	Dry Powder
<b>Protein, %</b>	<b>4.24</b>	<b>30.3</b>
Arginine, %	0.16	1.15
Cystine, %	0.07	0.49
Glycine, %	0.09	0.65
Histidine, %	0.12	0.86
Isoleucine, %	0.22	1.54
Leucine, %	0.39	2.80
Lysine, %	0.33	2.34
Methionine, %	0.14	1.04
Phenylalanine, %	0.22	1.55
Tyrosine, %	0.23	1.62
Threonine, %	0.18	1.26
Tryptophan, %	0.05	0.35
Valine, %	0.26	1.85
<b>Fat (ether extract), %</b>	<b>3.9</b>	<b>27.8</b>

<b>Fiber (Crude), %</b>	<b>0.69</b>	<b>5.0</b>
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**Minerals**

Calcium, %	0.14	0.98
Phosphorus, %	0.11	0.77
Potassium, %	0.12	0.87
Magnesium, %	0.03	0.18
Sulfur, %	0.04	0.30
Sodium, %	0.03	0.24
Chlorine, %	0.05	0.36
Fluorine, ppm	0.25	1.8
Iron, ppm	18	130
Zinc, ppm	7.8	56
Manganese, ppm	14	98
Copper, ppm	1.5	11
Chromium, ppm	0.58	4.2
Iodine, ppm	0.05	0.37
Molybdenum, ppm	0.11	0.80
Selenium, ppm	0.03	0.20

**Vitamins**

Vitamin K (as menadione), ppm	0.25	1.8
Thiamin Hydrochloride, ppm	1.5	10
Riboflavin, ppm	1.5	11
Niacin, ppm	7.4	53
Pantothenic Acid, ppm	3.6	26
Choline Chloride, ppm	265	1900
Folic Acid, ppm	0.50	3.6
Pyridoxine, ppm	1.4	10
Biotin, ppm	0.05	0.36
Inositol, ppm	25	180
p-aminobenzoic acid, ppm	12.5	89
B <sub>12</sub> , mcg/kg	25	180
Vitamin A, IU/gm	3.0	21
Vitamin D <sub>3</sub> (added), IU/gm	0.40	2.9
Vitamin E, IU/kg	30	210
Ascorbic Acid, mg/gm	10	43

**Energy\***

Protein, kcal/kg	180
Fat, kcal/kg	350
Carbohydrates, kcal/kg	110