

FIG. 1

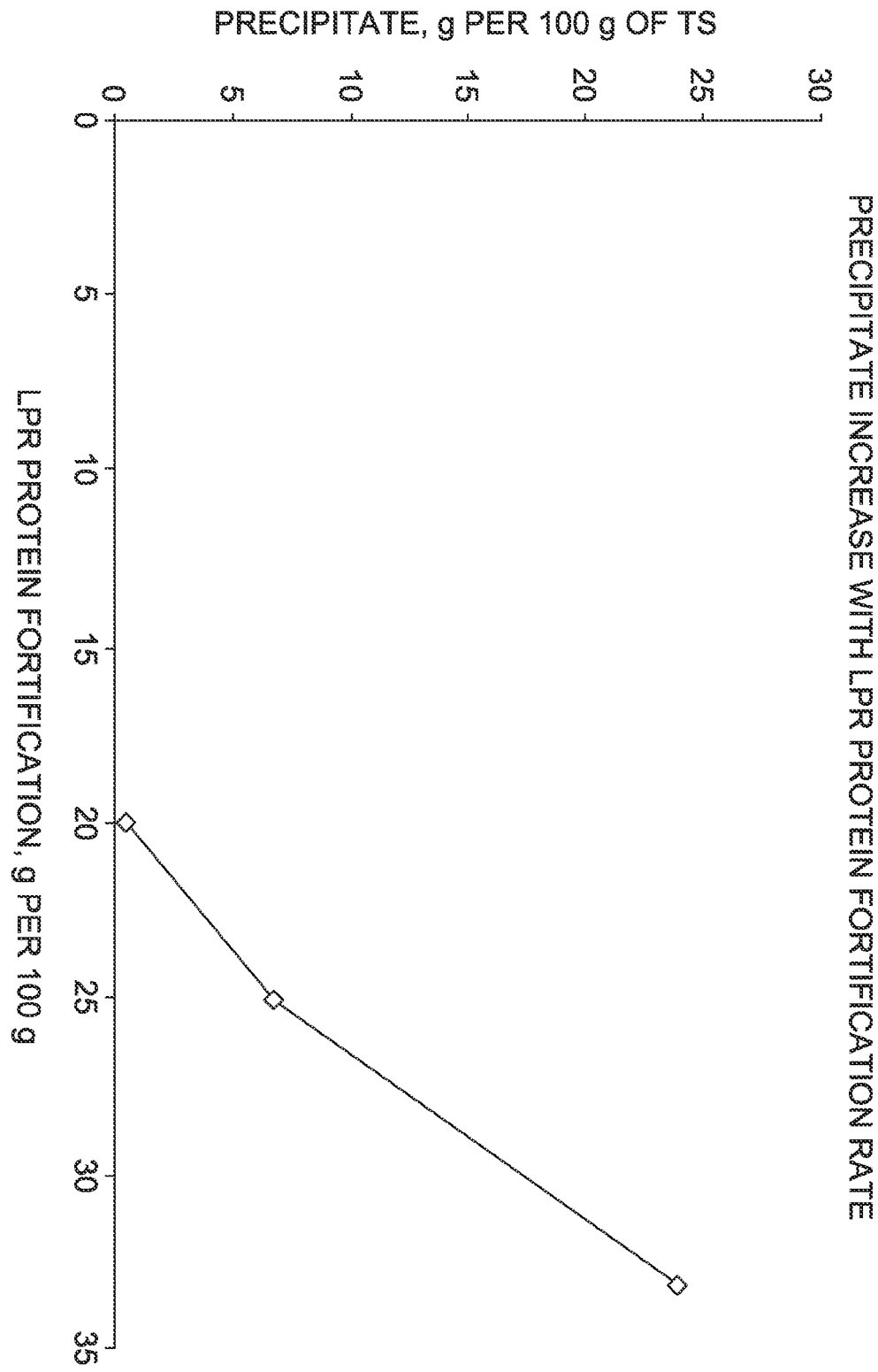


FIG. 2A

Casein Hydrolyzate Powder : RPD Commodity 2216 : Dellac CE-90 HM

Free Amino Acids vs Total Amino Acids

Concentration, g per 100 g powder			
<u>Amino Acid</u>	<u>Total Amino Acid</u>	<u>Free Amino Acid</u>	<u>Free % of Total</u>
ASX	6.65	1.05	16%
THR	3.84	2.37	62%
SER	4.75	3.96	83%
GLX	18.32	5.57	30%
PRO	7.97	2.60	33%
GLY	1.99	0.66	33%
ALA	3.14	2.12	68%
VAL	5.62	3.83	68%
MET	2.15	1.96	91%
ILE	4.41	2.90	66%
LEU	7.75	6.99	90%
TYR	0.87	0.40	46%
PHE	3.83	3.32	87%
HIS	2.22	1.32	60%
LYS	6.88	5.29	77%
ARG	3.38	3.05	90%
TOTAL	83.77	47.39	57%

Note : The concentrations of tryptophan and cystine were not determined

FIG. 2B

Casein Hydrolyzate Powder : RPD Commodity 2216 : Dellac CE-90 HM

Amino Acid Profile Comparison

Concentration, weight % of amino acid total			
<u>Amino Acid</u>	<u>Commodity 2216</u>	<u>Commodity 1980*</u>	<u>Yeast Extract**</u>
ASX	7.94	6.76	11.48
THR	4.58	4.05	5.52
SER	5.67	5.48	5.65
GLX	21.87	20.84	15.83
PRO	9.51	10.64	ND
GLY	2.38	1.80	5.47
ALA	3.75	2.82	9.53
VAL	6.71	6.22	7.05
MET	2.57	3.01	1.93
ILE	5.26	5.00	5.83
LEU	9.25	9.04	8.33
TYR	1.04	5.38	3.31
PHE	4.57	4.97	4.83
HIS	2.65	2.86	2.81
LYS	8.21	7.58	9.50
ARG	4.04	3.56	2.95
TOTAL	100.00	100.01	100.02

* Commodity 1980 is Sodium Caseinate; the profile data was reported previously (2)

** The profile data for "Yeast Extract" is calculated from a published report (3)