

Appendix V
Certificates of Analysis



Product: LegH Prep

Lot Number: 50DE-LH-094-095

Production Date: June 29, 2018

Storage Temperature: -20°C

Test Results:

Test Items	Specification	Results
Soy Leghemoglobin Protein (w/w)	≤ 9%	6.4%
Soy Leghemoglobin Purity (w/w)	≥ 65%	92%
Fat (w/w)	≤ 2%	0.1%
Carbohydrates (w/w)	≤ 6%	1.4%
Ash (w/w)	≤ 4%	3.2%
Solids (w/w)	≤ 26%	17.5%
Moisture (w/w)	≤ 90%	82.6%
Lead (ppm)	< 0.4	<0.01
Arsenic (ppm)	< 0.05	0.01
Mercury (ppm)	< 0.05	<0.005
Cadmium (ppm)	< 0.2	<0.001
<i>Escherichia coli</i> EHEC (inclusive of O157:H7)	Absent by test	Absent
<i>Salmonella</i> spp.	Absent by test	Absent
<i>Listeria Monocytogenes</i>	Absent by test	Absent

This is to certify that the information listed above is a true and accurate copy of the data obtained for this material.

Product: LegH Prep

Lot Number: 50DE-LH-098-099A

Production Date: July 8, 2018

Storage Temperature: -20°C

Test Results:

Test Items	Specification	Results
Soy Leghemoglobin Protein (w/w)	≤ 9%	7.2%
Soy Leghemoglobin Purity (w/w)	≥ 65%	75%
Fat (w/w)	≤ 2%	0.04%
Carbohydrates (w/w)	≤ 6%	1.9%
Ash (w/w)	≤ 4%	2.7%
Solids (w/w)	≤ 26%	18.7%
Moisture (w/w)	≤ 90%	81.3%
Lead (ppm)	< 0.4	<0.01
Arsenic (ppm)	< 0.05	0.01
Mercury (ppm)	< 0.05	<0.005
Cadmium (ppm)	< 0.2	<0.001
<i>Escherichia coli</i> EHEC (inclusive of O157:H7)	Absent by test	Absent
<i>Salmonella</i> spp.	Absent by test	Absent
<i>Listeria Monocytogenes</i>	Absent by test	Absent

This is to certify that the information listed above is a true and accurate copy of the data obtained for this material.

Product: LegH Prep

Lot Number: 50DE-LH-102-103C

Production Date: July 15, 2018

Storage Temperature: -20°C

Test Results:

Test Items	Specification	Results
Soy Leghemoglobin Protein (w/w)	≤ 9%	6.8%
Soy Leghemoglobin Purity (w/w)	≥ 65%	85%
Fat (w/w)	≤ 2%	0.04%
Carbohydrates (w/w)	≤ 6%	1.7%
Ash (w/w)	≤ 4%	3.6%
Solids (w/w)	≤ 26%	17.0%
Moisture (w/w)	≤ 90%	83.0%
Lead (ppm)	< 0.4	<0.01
Arsenic (ppm)	< 0.05	0.02
Mercury (ppm)	< 0.05	<0.005
Cadmium (ppm)	< 0.2	<0.001
<i>Escherichia coli</i> EHEC (inclusive of O157:H7)	Absent by test	Absent
<i>Salmonella</i> spp.	Absent by test	Absent
<i>Listeria Monocytogenes</i>	Absent by test	Absent

This is to certify that the information listed above is a true and accurate copy of the data obtained for this material.

Product: LegH Prep

Lot Number: PP-PGM2-16-015-101

Production Date: January 16, 2016

Storage Temperature: -20°C

Test Results:

Test Items	Specification	Results
Soy Leghemoglobin Protein in LegH (w/w)	≤ 9%	6.74%
Soy Leghemoglobin Purity on Protein Basis (w/w)	≥ 65%	82%
Fat (w/w)	≤ 2%	0.05%
Carbohydrates (w/w)	≤ 6%	1.72%
Ash (w/w)	≤ 4%	1.87%
Solids (w/w)	≤ 26%	14.85%
Moisture (w/w)	≤ 90%	85.15%
Lead (ppm)	< 0.4	<0.01
Arsenic (ppm)	< 0.05	<0.01
Mercury (ppm)	< 0.05	<0.005
Cadmium (ppm)	< 0.2	<0.001
<i>Escherichia coli</i> O157:H7	Absent by test	Absent
<i>Salmonella spp.</i>	Absent by test	Absent
<i>Listeria monocytogenes</i>	Absent by test	Absent

This is to certify that the information listed above is a true and accurate copy of the data obtained for this material.



Product: LegH Prep

Lot Number: PP-PGM2-16-088-101

Production Date: March 31, 2016

Storage Temperature: -20°C

Test Results:

Test Items	Specification	Results
Soy Leghemoglobin Protein in LegH (w/w)	≤ 9%	6.39%
Soy Leghemoglobin Purity on Protein Basis (w/w)	≥ 65%	71%
Fat (w/w)	≤ 2%	< 0.01%
Carbohydrates (w/w)	≤ 6%	0.99%
Ash (w/w)	≤ 4%	0.67%
Solids (w/w)	≤ 26%	12.55%
Moisture (w/w)	≤ 90%	87.45%
Lead (ppm)	< 0.4	<0.01
Arsenic (ppm)	< 0.05	<0.01
Mercury (ppm)	< 0.05	<0.005
Cadmium (ppm)	< 0.2	<0.001
<i>Escherichia coli</i> O157:H7	Absent by test	Absent
<i>Salmonella</i> ssp.	Absent by test	Absent
<i>Listeria Monocytogenes</i>	Absent by test	Absent

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ol Supervisor

Product: LegH Prep

Lot Number: PP-PGM2-16-102-101

Production Date: April 14th, 2016

Storage Temperature: -20°C

Test Results:

Test Items	Specification	Results
Soy Leghemoglobin Protein (w/w)	≤ 9%	6.28%
Soy Leghemoglobin Purity (w/w)	≥ 65%	85%
Fat (w/w)	≤ 2%	<0.01%
Carbohydrates (w/w)	≤ 6%	1.67%
Ash (w/w)	≤ 4%	2.63%
Solids (w/w)	≤ 26%	14.92%
Moisture (w/w)	≤ 90%	85.08%
Lead (ppm)	< 0.4	<0.01
Arsenic (ppm)	< 0.05	<0.01
Mercury (ppm)	< 0.05	<0.005
Cadmium (ppm)	< 0.2	0.001
<i>Escherichia coli</i> 0157:H7	Absent by test	Absent
<i>Salmonella</i> spp.	Absent by test	Absent
<i>Listeria Monocytogenes</i>	Absent by test	Absent

This is to certify that the information listed above is a true and accurate copy of the data obtained for this material.

Product: LegH Prep

Lot Number: PP-PGM2-16-144-101

Production Date: May 25, 2016

Storage Temperature: -20°C

Test Results:

Test Items	Specification	Results
Soy Leghemoglobin Protein (w/w)	≤ 9%	6.74%
Soy Leghemoglobin Purity (w/w)	≥ 65%	77%
Fat (w/w)	≤ 2%	0.03%
Carbohydrates (w/w)	≤ 6%	2.01%
Ash (w/w)	≤ 4%	2.62%
Solids (w/w)	≤ 26%	17.31%
Moisture (w/w)	≤ 90%	82.69%
Lead (ppm)	< 0.4	<0.01
Arsenic (ppm)	< 0.05	0.01
Mercury (ppm)	< 0.05	<0.005
Cadmium (ppm)	< 0.2	0.003
<i>Escherichia coli</i> 0157:H7	Absent by test	Absent
<i>Salmonella spp.</i>	Absent by test	Absent
<i>Listeria Monocytogenes</i>	Absent by test	Absent

This is to certify that the information listed above is a true and accurate copy of the data obtained for this material.

Product: LegH Prep

Lot Number: PP-PGM2-16-200-101

Production Date: July 21, 2016

Storage Temperature: -20°C

Test Results:

Test Items	Specification	Results
Soy Leghemoglobin Protein (w/w)	≤ 9%	6.95%
Soy Leghemoglobin Purity (w/w)	≥ 65%	86%
Fat (w/w)	≤ 2%	0.08%
Carbohydrates (w/w)	≤ 6%	2.73%
Ash (w/w)	≤ 4%	2.74%
Solids (w/w)	≤ 26%	18.44%
Moisture (w/w)	≤ 90%	81.56%
Lead (ppm)	< 0.4	<0.01
Arsenic (ppm)	< 0.05	<0.01
Mercury (ppm)	< 0.05	<0.005
Cadmium (ppm)	< 0.2	0.001
<i>Escherichia coli</i> 0157:H7	Absent by test	Absent
<i>Salmonella spp.</i>	Absent by test	Absent
<i>Listeria Monocytogenes</i>	Absent by test	Absent

This is to certify that the information listed above is a true and accurate copy of the data obtained for this material.



Product: LegH Prep

Lot Number: PP-PGM2-18-162

Production Date: June 11, 2018

Storage Temperature: -20°C

Test Results:

Test Items	Specification	Results
Soy Leghemoglobin Protein in LegH (w/w)	≤ 9%	4.8%
Soy Leghemoglobin Purity on Protein Basis (w/w)	≥ 65%	77%
Fat (w/w)	≤ 2%	1.5%
Carbohydrates (w/w)	≤ 6%	3.6%
Ash (w/w)	≤ 4%	0.9%
Solids (w/w)	≤ 26%	19.8%
Moisture (w/w)	≤ 90%	80.2%
Lead (ppm)	< 0.4	<0.01
Arsenic (ppm)	< 0.05	0.03
Mercury (ppm)	< 0.05	<0.005
Cadmium (ppm)	< 0.2	<0.001
<i>Escherichia coli</i> O157:H7	Absent by test	Absent
<i>Salmonella spp.</i>	Absent by test	Absent
<i>Listeria Monocytogenes</i>	Absent by test	Absent

This is to certify that the information listed above is a true and accurate copy of the data obtained for this material.

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Product: LegH Prep

Lot Number: PP-PGM2-18-176

Production Date: June 25, 2018

Storage Temperature: -20°C

Test Results

Test Items	Specification	Results
Soy Leghemoglobin Protein in LegH (w/w)	≤ 9%	4.5%
Soy Leghemoglobin Purity on Protein Basis (w/w)	≥ 65%	68%
Fat (w/w)	≤ 2%	1.5%
Carbohydrates (w/w)	≤ 6%	4.1%
Ash (w/w)	≤ 4%	0.9%
Solids (w/w)	≤ 26%	20.3%
Moisture (w/w)	≤ 90%	79.7%
Lead (ppm)	< 0.4	<0.01
Arsenic (ppm)	< 0.05	0.03
Mercury (ppm)	< 0.05	<0.005
Cadmium (ppm)	< 0.2	<0.001
<i>Escherichia coli</i> O157:H7	Absent by test	Absent
<i>Salmonella spp.</i>	Absent by test	Absent
<i>Listeria monocytogenes</i>	Absent by test	Absent

This is to certify that the information listed above is a true and accurate copy of the data obtained for this material.

Product: LegH Prep

Lot Number: PP-PGM2-18-190

Production Date: July 09, 2018

Storage Temperature: -20°C

Test Results

Test Items	Specification	Results
Soy Leghemoglobin Protein in LegH (w/w)	≤ 9%	4.6%
Soy Leghemoglobin Purity on Protein Basis (w/w)	≥ 65%	76%
Fat (w/w)	≤ 2%	1.7%
Carbohydrates (w/w)	≤ 6%	3.8%
Ash (w/w)	≤ 4%	0.9%
Solids (w/w)	≤ 26%	20.0%
Moisture (w/w)	≤ 90%	80.0%
Lead (ppm)	< 0.4	<0.01
Arsenic (ppm)	< 0.05	0.04
Mercury (ppm)	< 0.05	<0.005
Cadmium (ppm)	< 0.2	<0.001
<i>Escherichia coli</i> O157:H7	Absent by test	Absent
<i>Salmonella spp.</i>	Absent by test	Absent
<i>Listeria Monocytogenes</i>	Absent by test	Absent

This is to certify that the information listed above is a true and accurate copy of the data obtained for this material.