



Fatty Acid Profile/Fat Analysis

9000 Plymouth Avenue North, Minneapolis MN 55427
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Completion Date: February 15, 2010
 Date Submitted: February 03, 2010
 Medallion Company ID: CORNERSTONE01
 Company Code: 14704
 Library: 2010-MED-1243
 PO Number: VISA

Fax:

Sample ID: 2010-MED-1243-01 Identifier: G1-E Date Reviewed: 02/15/2010
 Description: Pork Fat
 Analysis: Triglycerides Date Run: 02/15/2010

Component Name	Normalized by Weight	% (w/w) as Triglyceride in Product	% (w/w) Fatty Acids in Product			
			Saturated Fatty Acids	Monounsaturated Fatty Acids	cis-cis Polyunsaturated Fatty Acids	trans Unsaturated Fatty Acids
4:0 Butyric						
6:0 Caproic						
8:0 Caprylic						
10:0 Capric	0.136%	0.095	0.088			
12:0 Lauric	0.083%	0.058	0.055			
13:0 Tridecanoic	0.040%	0.028	0.026			
14:0 Myristic	1.275%	0.891	0.844			
14:1 t-Tetradecanoic						
14:1 Myristoleic						
15:0 Pentadecanoic	0.064%	0.045	0.043			
15:1 Pentadecenoic						
16:0 Palmitic	25.615%	17.903	17.060			
16:1 t-Hexadecenoic	0.412%	0.288				0.274
16:1 Palmitoleic	2.126%	1.486		1.415		
17:0 Margaric	0.446%	0.312	0.298			
17:1 Margaroleic	0.352%	0.246		0.235		
18:0 Stearic	17.082%	11.939	11.429			
18:1 trans-Elaidic	0.498%	0.348				0.333
18:1 Oleic	37.950%	26.524		25.383		
18:2 t-Octadecadienoic	0.190%	0.133				0.127
18:2 Linoleic	10.543%	7.369			7.050	
20:0 Arachidic	0.205%	0.143	0.137			
18:3 g-Linolenic	0.033%	0.023			0.022	
20:1 Gadoleic	0.685%	0.479		0.460		
18:3 Linolenic	1.107%	0.774			0.740	
21:0 Heneicosanoic	0.062%	0.043	0.041			
18:2 conjugated-Linoleic	0.037%	0.026				
18:4 Octadecatetraenoic						
20:2 Eicosadienoic	0.442%	0.309			0.297	
22:0 Behenic						
20:3 g-Eicosatrienoic	0.067%	0.047			0.045	
22:1 Erucic						
20:3 Eicosatrienoic	0.163%	0.114			0.109	
20:4 Arachidonic						
23:0 Tricosanoic	0.196%	0.137	0.132			
22:2 Docasadienoic						
24:0 Lignoceric						
20:5 Eicosapentaenoic						
24:1 Nervonic						
22:3 Docosatrienoic						
22:4 Docosatetraenoic	0.083%	0.058			0.056	
22:5 Docosapentaenoic	0.106%	0.074			0.071	
22:6 Docosaheptaenoic						
Totals:	100.00%	69.89	30.15	27.49	8.39	0.73
Percent of Fatty Acid Components based on Total Fat:			45.20%	41.11%	12.55%	1.10%
Omega-3 Fatty Acids, Eicosapentaenoic Acid (EPA) and Docosaheptaenoic Acid (DHA):					0.00%	

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Sample ID: 2010-MED-1243-02 Identifier: G1-C Date Reviewed: 02/15/2010
 Description: Pork Fat
 Analysis: Triglycerides Date Run: 02/15/2010

Component Name	Normalized by Weight	% (w/w) as Triglyceride in Product	% (w/w) Fatty Acids in Product			
			Saturated Fatty Acids	Monounsaturated Fatty Acids	cis-cis Polyunsaturated Fatty Acids	trans Unsaturated Fatty Acids
4:0 Butyric						
6:0 Caproic						
8:0 Caprylic						
10:0 Capric	0.176%	0.153	0.143			
12:0 Lauric	0.172%	0.149	0.140			
13:0 Tridecanoic	0.037%	0.032	0.030			
14:0 Myristic	1.515%	1.314	1.245			
14:1 t-Tetradecanoic						
14:1 Myristoleic						
15:0 Pentadecanoic	0.052%	0.045	0.043			
15:1 Pentadecenoic						
16:0 Palmitic	27.363%	23.737	22.619			
16:1 t-Hexadecenoic	0.317%	0.275				0.262
16:1 Palmitoleic	2.146%	1.862		1.774		
17:0 Margaric	0.400%	0.347	0.331			
17:1 Margaroleic	0.282%	0.245		0.234		
18:0 Stearic	17.364%	15.063	14.420			
18:1 trans-Elaidic	0.474%	0.411				0.393
18:1 Oleic	38.032%	32.992		31.573		
18:2 t-Octadecadienoic	0.041%	0.036				0.034
18:2 Linoleic	9.140%	7.929			7.586	
20:0 Arachidic	0.186%	0.161	0.155			
18:3 g-Linolenic	0.036%	0.031			0.030	
20:1 Gadoleic	0.662%	0.574		0.551		
18:3 Linolenic	0.685%	0.594			0.568	
21:0 Heneicosanoic	0.040%	0.035	0.034			
18:2 conjugated-Linoleic	0.017%	0.015				
18:4 Octadecatetraenoic						
20:2 Eicosadienoic	0.355%	0.308			0.296	
22:0 Behenic						
20:3 g-Eicosatrienoic	0.062%	0.054			0.052	
22:1 Erucic						
20:3 Eicosatrienoic	0.095%	0.082			0.079	
20:4 Arachidonic						
23:0 Tricosanoic	0.191%	0.166	0.160			
22:2 Docasadienoic						
24:0 Lignoceric						
20:5 Eicosapentaenoic						
24:1 Nervonic						
22:3 Docosatrienoic						
22:4 Docosatetraenoic	0.085%	0.074			0.071	
22:5 Docosapentaenoic	0.075%	0.065			0.063	
22:6 Docosaheptaenoic						
Totals:	100.00%	86.75	39.32	34.13	8.74	0.69
Percent of Fatty Acid Components based on Total Fat:			47.50%	41.12%	10.53%	0.83%
Omega-3 Fatty Acids, Eicosapentaenoic Acid (EPA) and Docosaheptaenoic Acid (DHA):					0.00%	

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Sample ID: 2010-MED-1243-03 Identifier: G2-E Date Reviewed: 02/15/2010
 Description: Pork Fat
 Analysis: Triglycerides Date Run: 02/15/2010

Component Name	Normalized by Weight	% (w/w) as Triglyceride in Product	% (w/w) Fatty Acids in Product			
			Saturated Fatty Acids	Monounsaturated Fatty Acids	cis-cis Polyunsaturated Fatty Acids	trans Unsaturated Fatty Acids
4:0 Butyric						
6:0 Caproic						
8:0 Caprylic						
10:0 Capric	0.140%	0.108	0.101			
12:0 Lauric	0.098%	0.075	0.071			
13:0 Tridecanoic	0.039%	0.030	0.028			
14:0 Myristic	1.406%	1.081	1.024			
14:1 t-Tetradecanoic						
14:1 Myristoleic						
15:0 Pentadecanoic	0.073%	0.056	0.053			
15:1 Pentadecenoic						
16:0 Palmitic	25.856%	19.884	18.947			
16:1 t-Hexadecenoic	0.421%	0.324				0.309
16:1 Palmitoleic	1.969%	1.514		1.442		
17:0 Margaric	0.445%	0.342	0.327			
17:1 Margaroleic	0.309%	0.238		0.227		
18:0 Stearic	16.912%	13.006	12.451			
18:1 trans-Elaidic	0.527%	0.405				0.388
18:1 Oleic	36.113%	27.772		26.578		
18:2 t-Octadecadienoic	0.181%	0.139				0.133
18:2 Linoleic	12.045%	9.263			8.862	
20:0 Arachidic	0.182%	0.140	0.135			
18:3 g-Linolenic	0.039%	0.030			0.029	
20:1 Gadoleic	0.696%	0.535		0.514		
18:3 Linolenic	1.247%	0.959			0.917	
21:0 Heneicosanoic	0.081%	0.062	0.060			
18:2 conjugated-Linoleic						
18:4 Octadecatetraenoic						
20:2 Eicosadienoic	0.499%	0.384			0.369	
22:0 Behenic						
20:3 g-Eicosatrienoic	0.073%	0.056			0.054	
22:1 Erucic						
20:3 Eicosatrienoic	0.179%	0.138			0.133	
20:4 Arachidonic						
23:0 Tricosanoic	0.237%	0.182	0.176			
22:2 Docasadienoic						
24:0 Lignoceric						
20:5 Eicosapentaenoic						
24:1 Nervonic						
22:3 Docosatrienoic						
22:4 Docosatetraenoic	0.095%	0.073			0.070	
22:5 Docosapentaenoic	0.139%	0.107			0.103	
22:6 Docosaheptaenoic						
Totals:	100.00%	76.90	33.37	28.76	10.54	0.83
Percent of Fatty Acid Components based on Total Fat:			45.47%	39.09%	14.32%	1.13%
Omega-3 Fatty Acids, Eicosapentaenoic Acid (EPA) and Docosaheptaenoic Acid (DHA):					0.00%	

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Sample ID: 2010-MED-1243-04 Identifier: G2-C Date Reviewed: 02/15/2010
 Description: Pork Fat
 Analysis: Triglycerides Date Run: 02/15/2010

Component Name	Normalized by Weight	% (w/w) as Triglyceride in Product	% (w/w) Fatty Acids in Product			
			Saturated Fatty Acids	Monounsaturated Fatty Acids	cis-cis Polyunsaturated Fatty Acids	trans Unsaturated Fatty Acids
4:0 Butyric						
6:0 Caproic						
8:0 Caprylic						
10:0 Capric	0.133%	0.108	0.101			
12:0 Lauric	0.095%	0.077	0.072			
13:0 Tridecanoic	0.031%	0.025	0.024			
14:0 Myristic	1.408%	1.140	1.080			
14:1 t-Tetradecanoic						
14:1 Myristoleic						
15:0 Pentadecanoic	0.041%	0.033	0.031			
15:1 Pentadecenoic						
16:0 Palmitic	27.076%	21.922	20.889			
16:1 t-Hexadecenoic	0.261%	0.211				0.201
16:1 Palmitoleic	1.755%	1.421		1.354		
17:0 Margaric	0.326%	0.264	0.252			
17:1 Margaroleic	0.216%	0.175		0.167		
18:0 Stearic	19.371%	15.684	15.014			
18:1 trans-Elaidic	0.403%	0.326				0.312
18:1 Oleic	38.575%	31.232		29.889		
18:2 t-Octadecadienoic	0.054%	0.044				0.042
18:2 Linoleic	7.847%	6.353			6.078	
20:0 Arachidic	0.207%	0.168	0.161			
18:3 g-Linolenic						
20:1 Gadoleic	0.723%	0.585		0.562		
18:3 Linolenic	0.636%	0.515			0.493	
21:0 Heneicosanoic	0.048%	0.039	0.038			
18:2 conjugated-Linoleic						
18:4 Octadecatetraenoic						
20:2 Eicosadienoic	0.359%	0.291			0.280	
22:0 Behenic						
20:3 g-Eicosatrienoic	0.048%	0.039			0.037	
22:1 Erucic						
20:3 Eicosatrienoic	0.104%	0.084			0.081	
20:4 Arachidonic						
23:0 Tricosanoic	0.151%	0.122	0.118			
22:2 Docasadienoic						
24:0 Lignoceric						
20:5 Eicosapentaenoic						
24:1 Nervonic						
22:3 Docosatrienoic						
22:4 Docosatetraenoic	0.067%	0.054			0.052	
22:5 Docosapentaenoic	0.065%	0.053			0.051	
22:6 Docosaheptaenoic						
Totals:	100.00%	80.97	37.78	31.97	7.07	0.56
Percent of Fatty Acid Components based on Total Fat:			48.89%	41.27%	9.13%	0.72%
Omega-3 Fatty Acids, Eicosapentaenoic Acid (EPA) and Docosaheptaenoic Acid (DHA):					0.00%	

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