



Commitment, Excellence, Innovation

Azem Group Product Catalogue



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GOLSHAHD
Grain Processing Refinery

Golshahd Grain Refinery Products





GOLSHAHD
Grain Processing Refinery

Native Corn Starch

نشاسته فوق تصفیه ذرت
النشاء فائق التصفية



Corn Refined Starch

| | | |
|---|-------------------------------------|--------------|
| 1 | Appearance | White powder |
| 2 | Maximum moisture content | 14% |
| 3 | (100 sieve) Maximum residue content | 10% |
| 4 | Maximum protein content | 0.7% |
| 5 | Maximum fat content | 0.5% |

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Grain Processing Refinery

Native Corn Starch

نشاسته فوق تصفیه ذرت
النشاء فائق التصفية

Weights : 1000 kg - 500 kg



Corn Refined Starch

| | | |
|---|-------------------------------------|--------------|
| 1 | Appearance | White powder |
| 2 | Maximum moisture content | 14% |
| 3 | (100 sieve) Maximum residue content | 10% |
| 4 | Maximum protein content | 0.7% |
| 5 | Maximum fat content | 0.5% |

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Moulding Starch

نشاسته قالبی ذرت
نشاء الذرة القالبية



Corn Starch Specification

| | | |
|---|---|--------------|
| 1 | Appearance | White powder |
| 2 | Maximum Moisture Content (%) | 14 % |
| 3 | Maximum Residue on Sieve No. 100 | 5 % |
| 4 | Maximum Protein Content (on dry matter basis) | 0.5 % |
| 5 | Maximum Fat Content (on dry matter basis) | 0.5 % |

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Glucose Powder

گلوکز پودری
مسحوق الجلوكوز



Powdered Glucose

| | | |
|---|-----------------------|------------------|
| 1 | Appearance | White powder |
| 2 | Solubility | Soluble in water |
| 3 | SO ₂ (ppm) | Max 20 |
| 4 | DE | 20 |
| 5 | pH | 4-7 |
| 6 | Sulfated Ash (%) | Max 0.5 |

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Corn Glucose Syrup

شربت گلوکز ذرت

شراب الجلوكوز الذرة

Weights : 50 kg - 25 kg



Glucose Syrup

| | | |
|---|----------------------------------|--------------|
| 1 | Physical Appearance | Clear liquid |
| 2 | Maximum Sulfated Ash (Dry Basis) | 0.25% |
| 3 | pH | 4.5 – 5.5 |
| 4 | Brix | 38 – 40 |
| 5 | Dextrose Equivalent (DE) | 43 – 45 |

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Corn Glucose Syrup

شربت گلوکز ذرت
شراب الجلوکوز الذرة

Weights : 1300 g - 300 g



Glucose Syrup

| | | |
|---|----------------------------------|--------------|
| 1 | Physical Appearance | Clear liquid |
| 2 | Maximum Sulfated Ash (Dry Basis) | 0.25% |
| 3 | pH | 4.5 – 5.5 |
| 4 | Brix | 38 – 40 |
| 5 | Dextrose Equivalent (DE) | 43 – 45 |

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Corn Glucose Syrup

شربت گلوکز ذرت
شراب الجلوكوز الذرة
Weights : 26 tons



Glucose Syrup

| | | |
|---|----------------------------------|--------------|
| 1 | Physical Appearance | Clear liquid |
| 2 | Maximum Sulfated Ash (Dry Basis) | 0.25% |
| 3 | pH | 4.5 – 5.5 |
| 4 | Brix | 38 – 40 |
| 5 | Dextrose Equivalent (DE) | 43 – 45 |



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Maltodextrin

مالتودکستترین
مالتودیکستترین



Maltodextrin with High or Low DE

| | | |
|---|--------------------------|--------------|
| 1 | Appearance | White powder |
| 2 | Dextrose Equivalent (DE) | 20-18 / 10-8 |
| 3 | Moisture (%) | 10 Max |
| 4 | pH | 6 - 4 |
| 5 | Sulphated Ash (%) | 0.7 Max |

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Maltodextrin (Granule)

مالتودکسترین (گرانولی)
مالتودیکسترین (حبی)



Maltodextrin with High or Low DE

| | | |
|---|--------------------------|--------------|
| 1 | Appearance | White powder |
| 2 | Dextrose Equivalent (DE) | 20-18 / 10-8 |
| 3 | Moisture (%) | 10 Max |
| 4 | pH | 6 - 4 |
| 5 | Sulphated Ash (%) | 0.7 Max |



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Banana Maltodextrin

مالتودکسترین موزی
مالتودیکسترین بالموز



Maltodextrin with High or Low DE

| | | |
|---|--------------------------|--------------|
| 1 | Appearance | White powder |
| 2 | Dextrose Equivalent (DE) | 20-18 / 10-8 |
| 3 | Moisture (%) | 10 Max |
| 4 | pH | 6 - 4 |
| 5 | Sulphated Ash (%) | 0.7 Max |

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Cocoa Maltodextrin

مالتودکسترین کاکائویی
مالتودیکسترین بالکاکاو



Maltodextrin with High or Low DE

| | | |
|---|--------------------------|--------------|
| 1 | Appearance | White powder |
| 2 | Dextrose Equivalent (DE) | 20-18 / 10-8 |
| 3 | (%) Moisture | 10 Max |
| 4 | pH | 6 - 4 |
| 5 | (%) Sulphated Ash | 0.7 Max |

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Vanilla Maltodextrin

مالتودکسترین وانیلی
مالتودیکسترین بالفانیلیا



Maltodextrin with High or Low DE

| | | |
|---|--------------------------|--------------|
| 1 | Appearance | White powder |
| 2 | Dextrose Equivalent (DE) | 20-18 / 10-8 |
| 3 | Moisture (%) | 10 Max |
| 4 | pH | 6 - 4 |
| 5 | Sulphated Ash (%) | 0.7 Max |

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Strawberry Maltodextrin

مالتودکسترین توت فرنگی
مالتودیکسترین بالفراولة



Maltodextrin with High or Low DE

| | | |
|---|--------------------------|--------------|
| 1 | Appearance | White powder |
| 2 | Dextrose Equivalent (DE) | 20-18 / 10-8 |
| 3 | Moisture (%) | 10 Max |
| 4 | pH | 6 - 4 |
| 5 | Sulphated Ash (%) | 0.7 Max |

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Broken Corn

ذرت نیم کوب
ذرة مجروشة جزئياً



| Cracked Corn | | |
|--------------|-----------------------|---------------|
| 1 | Physical Appearance | Orange grains |
| 2 | Minimum Crude Protein | 7% |
| 3 | Minimum Crude Fat | 3.5% |
| 4 | Maximum Total Ash | 3% |
| 5 | Minimum Dry Matter | 90% |



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Animal Carbohydrates

کربوهیدرات دامی
الكربوهيدرات الحيوانية



| Animal Carbohydrates | | |
|----------------------|----------------------------------|--------------|
| 1 | Minimum Crude Protein (DM basis) | 3% |
| 2 | Maximum Ash (DM basis) | 6% |
| 3 | Maximum Salt | 1% |
| 4 | Metabolizable Energy | 3600 kcal/kg |
| 5 | Maximum Fiber | 1% |
| 6 | Non-Fiber Carbohydrates (NFC) | 93% |





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Animal Corn Flour

آرد ذرت دامی
طحین الذرة للعلف



| Corn Meal | | |
|-----------|--------------------------|--------------|
| 1 | Physical Appearance | Milky powder |
| 2 | Minimum Crude Protein | 5% |
| 3 | Minimum Crude Fat | 1% |
| 4 | Maximum Total Ash | 3% |
| 5 | Maximum Moisture Content | 12% |



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Dried CSL

گلو تو آمینه
جلو تامين



Crude Corn Germ Oil

| | | |
|---|--------------------------|------------|
| 1 | Maximum Moisture Content | 10% |
| 2 | Crude Protein Content | 42 - 38% |
| 3 | Fiber Content | 0.3% |
| 4 | Fat Content | 1.0 - 1.5% |
| 5 | pH | 4 |

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Corn Gluten Feed

خوراک گلوتن پودری
علف الجلو تین البودری



| ردیف | نام آزمونی که نمونه | مقدار | واحد | حدود مجاز |
|------|---------------------|-------|---------|------------|
| ۱ | پروتئین خام | ۱۷.۴ | و-گاو | کمینه ۷.۲ |
| ۲ | فیبر | ۸.۴ | و-گاو | حداکثر ۲.۲ |
| ۳ | چربی | ۱.۹ | و-گاو | حداکثر ۰.۳ |
| ۴ | رطوبت | ۵.۲۱ | و-گاو | حداکثر ۱.۵ |
| ۵ | خالصی کل | ۲.۳۲ | و-گاو | حداکثر ۱.۵ |
| ۶ | کربوهیدرات | ۲۸۶.۲ | Kcal/kg | - |
| ۷ | کربوهیدرات | ۶۱.۴ | برسد | - |
| ۸ | NDP | ۱۶.۸۸ | و-گاو | - |

Powdered Gluten Feed

| | | |
|---|-------------------------------|------|
| 1 | Maximum moisture content | 12 % |
| 2 | Minimum crude protein content | 18 % |
| 3 | Maximum fat content | 4 % |
| 4 | Minimum starch content | 10 % |



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Corn Germ Meal

کنجاله جوانه ذرت
كعك جنين الذرة



| Corn Germ Meal | | |
|----------------|-----------------------|-----|
| 1 | Crude Fiber Minimum | 10% |
| 2 | Crude Protein Minimum | 12% |
| 3 | Maximum Moisture | 6% |
| 4 | Crude Fat Minimum | 12% |
| 5 | Maximum Total Ash | 2% |





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Corn Gluten Meal (zein)

گلوٹن ذرت
جلوتین الذرة



Corn Protein, Zein (Gluten)

| | | |
|---|-------------------------------|-----------------------|
| 1 | Physical appearance | Yellow to brown grain |
| 2 | Maximum moisture content | 10 % |
| 3 | Minimum crude protein content | 55 % |
| 4 | Maximum crude fiber content | 10 % |



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Golden Bran Corn

پوسته طلایی ذرت
قشرة الذرة الذهبية



| Corn Golden Bran | | |
|------------------|-------------------------------|---------------|
| 1 | Appearance | Golden powder |
| 2 | Maximum moisture content | 10% |
| 3 | Minimum crude protein content | 10% |
| 4 | Maximum fat content | 4% |
| 5 | Minimum starch content | 10% |



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GOLDINEH
Oilseed Processing Refinery

Goldineh Oilseed Refinery





GOLDINEH
Oilseed Processing Refinery

Corn Oil

روغن خالص ذرت
زيت الذرة النقي

Weights : 1620 g - 810 g



Crude Corn Germ Oil

| | | |
|---|---|------------------------------|
| 1 | Appearance | Clear liquid |
| 2 | Taste and Odor | Free from any taste and odor |
| 3 | Specific Gravity at 20°C | 0.925 - 0.927 |
| 4 | Refractive Index at 40°C | 1.4648 - 1.4656 |
| 5 | Peroxide Value (meq O ₂ /kg) | Max 6 |

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Oilseed Processing Refinery

Frying Oil

روغن سرخ کردنی
زیت القلی

Weights : 1620 g - 810 g



Crude Corn Germ Oil

| | | |
|---|---|------------------------------|
| 1 | Appearance | Clear liquid |
| 2 | Taste and Odor | Free from any taste and odor |
| 3 | Specific Gravity at 20°C | 0.925 - 0.927 |
| 4 | Refractive Index at 40°C | 1.4648 - 1.4656 |
| 5 | Peroxide Value (meq O ₂ /kg) | Max 6 |

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Oilseed Processing Refinery

Blend Oil

روغن مایع مخلوط

زیت سائل مخلوط

Weights : 1620 g - 810 g



Crude Corn Germ Oil

| | | |
|---|----------------------------|------------------------------|
| 1 | Appearance | Clear liquid |
| 2 | Taste and Odor | Free from any taste and odor |
| 3 | Specific Gravity at 20°C | 0.925 - 0.927 |
| 4 | Refractive Index at 40°C | 1.4648 - 1.4656 |
| 5 | Peroxide Value (meq O2/kg) | Max 6 |

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تتهدینه آرآن
پالایشگاه فرآوری غلات

Shahdineh Cereal Processing Refinery Products





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Grain Processing Refinery

Native Wheat Starch

نشاسته فوق تصفیه گندم
نشاء القمح المصفى للغاية



Refined Wheat Starch

| | | |
|---|---------------------------------------|-------------|
| 1 | Appearance | White color |
| 2 | Maximum Residue on Sieve No. 100 | Max 15% |
| 3 | Moisture Content | Max 14% |
| 4 | Protein Content (on dry matter basis) | Max 0.43% |
| 5 | pH | 4.5 to 7 |

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Wheat Glucose Syrup

شربت گلوکز گندم
شراب الجلوكوز من القمح

Weights : 50 kg - 25 kg



Wheat Glucose Syrup

| | | |
|---|---|--------------------------------|
| 1 | Appearance | Liquid, yellow and transparent |
| 2 | Brix | Minimum 80 |
| 3 | Dextrose Equivalent (DE) | 38 to 45 |
| 4 | Sulfated ash percentage (based on dry matter) | Maximum 0.78% |
| 5 | pH | 4.5 to 5.5 |

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Wheat Glucose Syrup

شربت گلوکز گندم
شراب الجلوكوز من القمح
Weights : 26 tons



Wheat Glucose Syrup

| | | |
|---|---|--------------------------------|
| 1 | Appearance | Liquid, yellow and transparent |
| 2 | Brix | Minimum 80 |
| 3 | Dextrose Equivalent (DE) | 38 to 45 |
| 4 | Sulfated ash percentage (based on dry matter) | Maximum 0.78% |
| 5 | pH | 4.5 to 5.5 |

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Grain Processing Refinery

Starch Grade 2

نشاسته درجه ۲
نشا من الدرجة الثانية



Starch Grade 2

| | | |
|---|---|------|
| 1 | Minimum percentage of protein based on dry matter | 3 |
| 2 | Maximum ash based on dry matter | 6 |
| 3 | Maximum percentage of salt | 1 |
| 4 | Metabolizable energy | 3600 |
| 5 | Maximum percentage of fiber | 1 |
| 6 | Carbohydrate content (NFC) | 93 |

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Vital Wheat Gluten

گلوٹن فعال گندم
الجلوتين النشط للقمح



Powdered Gluten Feed

| | | |
|---|-------------------------------|------|
| 1 | Maximum moisture content | 12 % |
| 2 | Minimum crude protein content | 18 % |
| 3 | Maximum fat content | 4 % |
| 4 | Minimum starch content | 10 % |

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Grain Processing Refinery

Glumatin

گلوماتین
غلوماتین



Glumatin

| | | |
|---|---|------|
| 1 | Minimum protein content based on dry matter (%) | 15 |
| 2 | Maximum ash content based on dry matter (%) | 6 |
| 3 | Maximum salt content (%) | 1 |
| 4 | Metabolizable energy (kcal/kg) | 3200 |
| 5 | Maximum fiber content (%) | 1 |
| 6 | Carbohydrate content (NFC) (%) | 70 |

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A Z E M
عازم

تعهد ، تعالی ، نوآوری

Sales and Marketing Contact Numbers

| | |
|---|---------------|
| Types of Glucose, Maltose, Dextrose | 0912 310 5181 |
| Types of Identifiers | 0912 444 0053 |
| Types of Maltodextrins | 0912 310 5127 |
| Active Identifier and Glucose | 0912 310 5194 |
| Esfahan Area and Representatives | 0912 310 5182 |
| Tehran and Karaj Area | 09134338967 |
| Livestock, Poultry, and Aquatic Organizations | 0912 310 0549 |
| Communications and Brand Development Unit | 0912 310 5181 |
| Sales Management | 0912 300 0299 |
| Sales and Marketing Department | 0912 721 7615 |
| Customer Voice | 0910 316 0315 |

Phone 031 416 46

Email sales@azemgroup.com

Other Numbers

| | |
|---|---------------|
| Procurement and Transactions Unit | 0912 310 5181 |
| Human Resources Unit | 0912 310 5127 |