



SIRIUS Export





## Welcome to SİRİUS Export

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SİRİUS Export is a leading enterprise in TURKEY's agricultural sector, specializing in the procurement, processing, and export of premium agricultural products. Our business is rooted in a strong commitment to quality and sustainability, as we work closely with local farmers across the country to source the finest nuts, dried fruits, fruits and vegetables, dates, saffron, medicinal plants, and other high-demand produce.

At SİRİUS Export, we follow rigorous international standards for quality control, ensuring that every product is meticulously tested, sorted, and packaged to meet the diverse needs of global markets. By leveraging state-of-the-art technology and adhering to best practices in quality management, we deliver products that stand out for their freshness, flavor, and authenticity.

With a growing network of export channels, we proudly supply top-grade agricultural products to a wide array of international markets. Our expertise in both sourcing and logistics, combined with our unwavering commitment to customer satisfaction, makes SİRİUS Export a trusted partner for businesses worldwide.

### 1. Super Negin Saffron Technical Specifications

| No. | Characteristics                                                                 | Measurement Limit |
|-----|---------------------------------------------------------------------------------|-------------------|
| 1   | Style with Stigma<br>(Max Weight Percentage)                                    | 0.5               |
| 2   | Foreign Substances Related to Saffron Plant<br>(Max Weight Percentage)          | 0.1               |
| 3   | Foreign Substances Related to the<br>Environment                                | Negative          |
| 4   | Moisture and Volatile Matter<br>(Max Weight Percentage)                         | 7                 |
| 5   | Total Ash on Dry Basis<br>(Max Weight Percentage)                               | 5                 |
| 6   | Acid Insoluble Ash on Dry Basis<br>(Max Weight Percentage)                      | 0.5               |
| 7   | Extract Soluble in Cold Water on Dry Basis<br>(Max Weight Percentage)           | 65                |
| 8   | Picrocrocin on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 257 nm) | 90                |
| 9   | Safranal on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 330 nm)    | 30-50             |
| 10  | Crocin on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 440 nm)      | 285               |
| 11  | Additive Colors                                                                 | Negative          |

### Microbiology of Super Negin Saffron

| No. | Characteristics                 | Measurement Limit<br>(CFU/g) |
|-----|---------------------------------|------------------------------|
| 1   | Total count of Microorganisms   | $3 \times 10^5$              |
| 2   | Mold                            | $10^3$                       |
| 3   | Escherichia coli                | Negative                     |
| 4   | Regenerative Clostridium Spores | $10^2$                       |

## 2. Negin Saffron Technical Specifications

| No. | Characteristics                                                                 | Measurement Limit |
|-----|---------------------------------------------------------------------------------|-------------------|
| 1   | Style with Stigma<br>(Max Weight Percentage)                                    | 0.5               |
| 2   | Foreign Substances Related to Saffron Plant<br>(Max Weight Percentage)          | 0.1               |
| 3   | Foreign Substances Related to the Environment                                   | Negative          |
| 4   | Moisture and Volatile Matter<br>(Max Weight Percentage)                         | 7                 |
| 5   | Total Ash on Dry Basis<br>(Max Weight Percentage)                               | 5                 |
| 6   | Acid Insoluble Ash on Dry Basis<br>(Max Weight Percentage)                      | 0.5               |
| 7   | Extract Soluble in Cold Water on Dry Basis<br>(Max Weight Percentage)           | 65                |
| 8   | Picrocrocin on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 257 nm) | 80                |
| 9   | Safranal on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 330 nm)    | 30-50             |
| 10  | Crocin on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 440 nm)      | 260               |
| 11  | Additive Colors                                                                 | Negative          |

## Microbiology of Negin Saffron

| No. | Characteristics                 | Measurement Limit<br>(CFU/g) |
|-----|---------------------------------|------------------------------|
| 1   | Total count of Microorganisms   | $3 \times 10^5$              |
| 2   | Mold                            | $10^3$                       |
| 3   | Escherichia coli                | Negative                     |
| 4   | Regenerative Clostridium Spores | $10^2$                       |

### 3. Sargol Saffron Technical Specifications

| No. | Characteristics                                                                 | Measurement Limit |
|-----|---------------------------------------------------------------------------------|-------------------|
| 1   | Style with Stigma<br>(Max Weight Percentage)                                    | 0.5               |
| 2   | Foreign Substances Related to Saffron Plant<br>(Max Weight Percentage)          | 0.1               |
| 3   | Foreign Substances Related to the Environment                                   | Negative          |
| 4   | Moisture and Volatile Matter<br>(Max Weight Percentage)                         | 7                 |
| 5   | Total Ash on Dry Basis<br>(Max Weight Percentage)                               | 5                 |
| 6   | Acid Insoluble Ash on Dry Basis<br>(Max Weight Percentage)                      | 0.5               |
| 7   | Extract Soluble in Cold Water on Dry Basis<br>(Max Weight Percentage)           | 65                |
| 8   | Picrocrocin on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 257 nm) | 80                |
| 9   | Safranal on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 330 nm)    | 30-50             |
| 10  | Crocin on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 440 nm)      | 230               |
| 11  | Additive Colors                                                                 | Negative          |

### Microbiology of Sargol Saffron

| No. | Characteristics                 | Measurement Limit<br>(CFU/g) |
|-----|---------------------------------|------------------------------|
| 1   | Total count of Microorganisms   | $3 \times 10^5$              |
| 2   | Mold                            | $10^3$                       |
| 3   | Escherichia coli                | Negative                     |
| 4   | Regenerative Clostridium Spores | $10^2$                       |

#### 4. Pushal Saffron Technical Specifications

| No. | Characteristics                                                                 | Measurement Limit |
|-----|---------------------------------------------------------------------------------|-------------------|
| 1   | Style with Stigma<br>(Max Weight Percentage)                                    | 0.5               |
| 2   | Foreign Substances Related to Saffron Plant<br>(Max Weight Percentage)          | 0.1               |
| 3   | Foreign Substances Related to the Environment                                   | Negative          |
| 4   | Moisture and Volatile Matter<br>(Max Weight Percentage)                         | 7                 |
| 5   | Total Ash on Dry Basis<br>(Max Weight Percentage)                               | 5                 |
| 6   | Acid Insoluble Ash on Dry Basis<br>(Max Weight Percentage)                      | 0.5               |
| 7   | Extract Soluble in Cold Water on Dry Basis<br>(Max Weight Percentage)           | 65                |
| 8   | Picrocrocin on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 257 nm) | 80                |
| 9   | Safranal on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 330 nm)    | 30-50             |
| 10  | Crocin on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 440 nm)      | 220               |
| 11  | Additive Colors                                                                 | Negative          |

#### Microbiology of Pushal Saffron

| No. | Characteristics                 | Measurement Limit<br>(CFU/g) |
|-----|---------------------------------|------------------------------|
| 1   | Total count of Microorganisms   | $3 \times 10^5$              |
| 2   | Mold                            | $10^3$                       |
| 3   | Escherichia coli                | Negative                     |
| 4   | Regenerative Clostridium Spores | $10^2$                       |

### 5. Bunch Saffron (Dasteh) Technical Specifications

| No. | Characteristics                                                                 | Measurement Limit |
|-----|---------------------------------------------------------------------------------|-------------------|
| 1   | Style with Stigma<br>(Max Weight Percentage)                                    | 0.5               |
| 2   | Foreign Substances Related to Saffron Plant<br>(Max Weight Percentage)          | 0.1               |
| 3   | Foreign Substances Related to the<br>Environment                                | Negative          |
| 4   | Moisture and Volatile Matter<br>(Max Weight Percentage)                         | 7                 |
| 5   | Total Ash on Dry Basis<br>(Max Weight Percentage)                               | 5                 |
| 6   | Acid Insoluble Ash on Dry Basis<br>(Max Weight Percentage)                      | 0.5               |
| 7   | Extract Soluble in Cold Water on Dry Basis<br>(Max Weight Percentage)           | 65                |
| 8   | Picrocrocin on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 257 nm) | 70                |
| 9   | Safranal on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 330 nm)    | 20-50             |
| 10  | Crocin on Dry Matter Basis (Min)<br>(Absorption at a Wavelength of 440 nm)      | 150               |
| 11  | Additive Colors                                                                 | Negative          |

### Microbiology of Bunch Saffron (Dasteh)

| No. | Characteristics                 | Measurement Limit<br>(CFU/g) |
|-----|---------------------------------|------------------------------|
| 1   | Total count of Microorganisms   | $3 \times 10^5$              |
| 2   | Mold                            | $10^3$                       |
| 3   | Escherichia coli                | Negative                     |
| 4   | Regenerative Clostridium Spores | $10^2$                       |



















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