

**YENİLEBİLİR SIĞIR JELATİNİ ANALİZ SERTİFİKASI**  
**EDIBLE BOVINE GELATIN ANALYSIS CERTIFICATE**

Lot Numarası/Lot Number: 068524  
Üretim Tarihi/ M.Date: 17.12.2024  
Son Kullanım Tarihi/ Expiry Date: 17.12.2029

| FİZİKSEL ÖZELLİKLER<br>PHYSICAL PROPERTIES                            | Spesifikasyon<br>Specification | Sonuç<br>Result           | Birim<br>Unit    | Metod<br>Method |
|-----------------------------------------------------------------------|--------------------------------|---------------------------|------------------|-----------------|
| Jel Sertliği (%6,67)<br>Bloom (Gel Strength)                          | 250-270                        | 265                       | g                | GME/GMIA        |
| Viskozite (%6,67 60°C)<br>Viscosity                                   | 3.0-5.0                        | 3.3                       | cP               | In House        |
| Nem<br>Moisture                                                       | ≤12                            | 10.5                      | %                | IR              |
| Partikül Boyutu<br>Particule Size                                     | 30                             | 30                        | Mesh             | In House        |
| Berraklık (T% @ 620 nm)<br>Clarity                                    | ≥ 90                           | 95                        | %                | GME/GMIA        |
| Renk (T% @ 450 nm)<br>Color                                           | ≥ 75                           | 81                        | %                | GME/GMIA        |
| KİMYASAL ÖZELLİKLER<br>CHEMICAL PROPERTIES                            |                                |                           |                  |                 |
| pH (%1 - 55 °C)                                                       | 5.0 – 6.5                      | 6.0                       | -                | EP              |
| İletkenlik (1% 30°C)<br>Conductivity                                  | Maks. 1000                     | 103                       | µS/cm            | EP              |
| Kül<br>Ash                                                            | ≤ 2                            | 0.1                       | %                | GME/GMIA        |
| Ağır Metaller*<br>Heavy Metals                                        |                                |                           |                  |                 |
| Arsenik / Arsenic                                                     | ≤ 1                            | ≤ 1                       |                  |                 |
| Kurşun / Lead                                                         | ≤ 5                            | ≤ 5                       |                  |                 |
| Kadmiyum / Cadmium                                                    | ≤ 0.5                          | ≤ 0.5                     |                  |                 |
| Cıva / Mercury                                                        | ≤ 0.15                         | ≤ 0.15                    |                  |                 |
| Krom / Chromium                                                       | ≤ 10                           | ≤ 10                      | ppm              | NMKL 186        |
| Bakır / Copper                                                        | ≤ 30                           | ≤ 30                      |                  |                 |
| Çinko / Zinc                                                          | ≤ 30                           | ≤ 30                      |                  |                 |
| Demir / Iron                                                          | ≤ 30                           | ≤ 30                      |                  |                 |
| Kükürt Dioksit<br>Sulfur Dioxide                                      | ≤ 10                           | ≤ 10                      | ppm              | AOAC 962.16     |
| Hidrojen Peroksit<br>Hydrogen Peroxide                                | ≤ 10                           | ≤ 10                      | ppm              | GME/GMIA        |
| MİKROBİYOLOJİK ÖZELLİKLER<br>MICROBIOLOGICAL PROPERTIES               |                                |                           |                  |                 |
| Toplam Aerobik Mezofilik Bakteri<br>Total Aerobic Mesophilic Bacteria | < 10 <sup>6</sup>              | < 10 <sup>6</sup>         | Kob/g<br>Cfu/g   | ISO 4833-1      |
| E.Coli                                                                | < 10                           | < 10                      | Kob/ g<br>Cfu/ g | ISO 16649-2     |
| Salmonella                                                            | Tespit Edilmedi<br>Absent      | Tespit Edilmedi<br>Absent | /25 g            | ISO 6579-1      |

\*Bu analiz aylık olarak yapılmaktadır. / This analysis has been done on monthly basis.

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26.12.2024

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26.12.2024