

Version: 1  
Issue Date: 5/30/2021

Mizkan ingredient common requirements are addressed in a separate document and it is referred to as Ingredient Master Specification (HQ-P-RM-3100). It shall be considered as part of this specification.

Wine and juice grade fine granular sodium bentonite fining agent. Superior adsorption & clarifying characteristics. High purity with high montmorillonite content, large surface area, exhibits rapid cold-water dispersion & contains low grit. Prevents cloudiness while removing heat-sensitive proteins. Meets all FCC requirements. CAS 1302-78-9

sodium bentonite (hydrous aluminum silicate comprised principally of the clay mineral montmorillonite)

**Organoleptic** (Not measurable. If measurable, fill in Chemical-Physical section)

| Property                      | Description                                |
|-------------------------------|--|
| Appearance                    | Fine granules; gray to white or tan        |
| Aroma                         | No off-aroma                               |
| Flavor                        | N/A  |
| Particle Size (if applicable) | Average particle size between 20 & 70 mesh |

| Property     | Target | Min | Max | UOM   | Method            | On CoA? |
|--------------|--------|-----|-----|-------|-------------------|---------|
| Moisture     |        |     | 12  | %     | as shipped        | Yes     |
| On 16 mesh   |        |     | 1   | %     | dry particle size | Yes     |
| On 20 mesh   |        |     | 35  | %     | dry particle size | Yes     |
| Thru 70 mesh |        |     | 3.5 | %     | dry particle size | Yes     |
| Free Swell   |        | 20  |     | ml/2g |                   | Yes     |
|              |        |     |     |       |                   |         |

| Property | Target | Min | Max | UOM | Method | On CoA? |
|----------|--------|-----|-----|-----|--------|---------|
|          |        |     |     |     |        |         |
|          |        |     |     |     |        |         |
|          |        |     |     |     |        |         |
|          |        |     |     |     |        |         |
|          |        |     |     |     |        |         |

[illegible]



**Ingredient Name:** Bentonite, Volclay® KWK Krystal Klear, Kosher  
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**n:** number of sample; **c:** maximum allowable number of results between m and M;

**m:** level of acceptance; **M:** upper level of acceptance. \* '<10' = negative, not detected



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**Unintentional Contaminants**

| Property           | Tolerances  | UOM        | Method  | On CoA? |
|--------------------|---|------------|---|---------|
| Pesticide Residues | Compliance with US. Federal Regulations   | ppm/ppb    | AOAC 2007.01  | No      |
| Arsenic            | Compliance with US Federal Regulations, Action Levels, Advisory Levels & Guidance Levels & CA Prop 65 (unless disclosed).<br>When no regulatory levels exist for heavy metals, levels must be in line with most recent FDA Total Diet Study (Market Basket) values. | 160ppb max | AOAC 2015.01  | Yes     |
| Cadmium            |   | 6ppb max   | AOAC 2015.01  | No      |
| Lead               |   | 520ppb max | AOAC 2015.01  | Yes     |
| Mycotoxins         |   | ppb/ppm    | AOAC & AOAC-RI approved methods (ELISA, HPLC, LC-MS/MS) | N/A     |

**Defects**

| Property         | Sample Size | Testing Method   | Acceptance   |
|------------------|-------------|------------------|--------------|
| Foreign Material | 1 lb        | visual/tray/sift | None allowed |
|                  |             |                  |              |
|                  |             |                  |              |

**Others**

shelf life is indefinite when kept dry.

**5 Packaging Requirement** (such as net weight, volume, maximum per case, blue plastic inner poly bag, etc.)

No packaging changes shall be made without written knowledge and approval of Mizkan's Corporate Quality Assurance and Purchasing Department.

| Packaging           | Amount                | UoM    |
|---------------------|-----------------------|--------|
| Unit Net Weight     | 50                    | lb     |
| Length              |                       | inches |
| Width               |                       | inches |
| Height              |                       | inches |
| Packaging Materials | multi-wall paper bags |        |

**6 Vendor Shipping / Storage Conditions**

|                       | Min     | Max     | UOM |
|-----------------------|---------|---------|-----|
| Shipping Temperature  | ambient | ambient | °F  |
| Storage Temperature   | ambient | ambient | °F  |
| Storage Temp Option 2 |         |         | °F  |

Total Shelf Life 60 Month(s) Total Shelf Life Option 2 \_\_\_\_\_ Day(s)  
Min. Remaining Shelf Life upon receipt 30 Month(s) Min Rem. SL Option 2 \_\_\_\_\_ Day(s)



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**7 Allergens and Intolerances**

| Component  | Present in Product | Source |
|--|--------------------|--------|
| Milk <sup>1,2,3</sup> & milk products (e.g. butter, casein, margarine (some), whey, cream, cheese, lactose, yogurt powder)   | No                 |        |
| Eggs <sup>1,2,3</sup> & egg products (e.g. yolks, egg white (albumen), mayonnaise, meringue, egg protein isolates)   | No                 |        |
| Fish <sup>1,2,3</sup> & fish products (e.g. bass, flounder, cod, anchovy, salmon, fish protein, fish oil)  | No                 |        |
| Crustacean Shellfish <sup>1,2,3</sup> (e.g. crab, lobster, shrimp, crayfish, urchin, prawns), their derivatives or extracts.   | No                 |        |
| Tree Nuts <sup>1,2,3</sup> & tree nuts products (e.g. whole, paste, flour or oil of almonds, walnuts, pecans, cashews, Brazil nuts, pistachios, hazelnuts (filberts), pine nuts (pinon nuts), macadamia nuts, coconut, chestnuts, beech nut, pili nut, butternut, chinquapin, ginkgo, hickory nut, lichee nut, shea nut) | No                 |        |
| Peanuts <sup>1,2,3</sup> & peanut products (e.g. whole, paste, flour, oil, peanut butter, peanut protein).   | No                 |        |
| Wheat <sup>1,2</sup> & wheat products (e.g. flour, starches, brans, durum wheat, club wheat, spelt, semolina, einkorn, emmer, kamut, triticale, wheat based maltodextrin)  | No                 |        |
| Soybeans <sup>1,2,3</sup> & soybean products (e.g. whole, flour, oil, tofu, protein isolates, miso, soya, soy lecithin, plant sterols, soy derived vegetable protein).   | No                 |        |
| Celery <sup>3</sup> & celery products (e.g. stalk, leaf, root).  | No                 |        |
| Gluten <sup>2,3</sup> (e.g. wheat, triticale, durum, kamut, spelt, barley, oats, rye, modified gluten protein or protein fraction). <20ppm or >20ppm   | No (0ppm)          |        |
| Mollusk <sup>2,3</sup> (e.g. mussels, oysters, scallops, snails, squids, octopus, clams, whelks).  | No                 |        |
| Mustard <sup>3</sup> & mustard products (e.g. mustard seeds, mustard flour, ground mustard, prepared mustard).   | No                 |        |
| Lupin <sup>3</sup> (e.g. whole, flour)   | No                 |        |
| Sesame seeds <sup>2,3</sup> & sesame products (e.g. paste, oil).   | No                 |        |
| Sulfites <sup>2,3</sup> (sulfur dioxide, sodium or potassium meta-bisulfite). <10ppm or >10ppm   | No (0ppm)          |        |
| Preservatives (e.g. sodium benzoate, ascorbic acid, citric acid, sodium nitrite, potassium sorbate, BHA, BHT, tocopherols)   | No                 |        |
| Yeast/yeast derivatives  | No                 |        |

<sup>1</sup> Allergens identified by the FDA FALCPA 2004.

<sup>2</sup> Priority Food Allergens identified by Health Canada

<sup>3</sup> Allergenic foods identified in Annex IIIa of the EU Labeling Directive



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**8 Compliance** (If column C filled as Required, specify with detailed requirements in Comments. For example, if required to be Kosher, specify certification agency, OU, OK or star K.)

|   | <b>Required/Not Required (by Mizkan)</b> | <b>Vendor Information</b>                               | <b>Comments (e.g. Certifier, Country(ies) of Origination, why not compliant, etc.)</b> |
|---|--|---|--|
| Kosher  | Required                                 | Certified   | CRC  |
| Vegan   | Required                                 | Compliant   |  |
| Vegetarian  | Required                                 | Compliant   |  |
| Halal   | Not Required                             |   |  |
| Organic Certified   | Not Required                             |   | allowed to use in Organic products per 7CFR 205.605(a)                                 |
| Gluten Free   | Required                                 | Compliant   |  |
| Non-GMO   | Required                                 | Compliant   |  |
| Non-GMO Certified   | Required                                 | Not Certified   | FCID form completed & on file  |
| Bioengineered (BE) Disclosure   | Required                                 | Not Required  | No BE disclosure required  |
| Prop 65 Statement   | Required                                 | Not Compliant   | contains quartz (SiO2)   |
| Country of Origination (ingredient sourcing and manufacturing location) | Required                                 | Provide sourcing & manufacturing locations in Comments. | USA  |

**9 Vendor Acknowledgement:**

In acknowledgement of receipt, the undersigned declares that this Ingredient Specification has been reviewed and agreed upon.

**Name:** Sally Yoo **Title:** Compliance Specialist

**Representing:** ATPGroup **Date:** 3-Jun-21

*Sally Yoo*

Return the signed copy to Mizkan Quality Department