

## TECHNICAL DATA SHEET OF FILTRATION DIATOMITE F 10

| MF CK 10 M                                                 |                                                      |      |  |               |
|------------------------------------------------------------|------------------------------------------------------|------|--|---------------|
| PHYSICAL AND CHEMICAL PROPERTIES                           |                                                      |      |  |               |
| Filtration velocity                                        | $\text{l} \cdot \text{min}^{-1} \cdot \text{m}^{-2}$ |      |  | 80 - 130      |
| Permeability                                               | Darcy                                                |      |  | 0,100 - 0,180 |
| Density (wet)                                              | $\text{kg} \cdot \text{m}^{-3}$                      | max. |  | 500           |
| Grain size/sieve residue                                   |                                                      |      |  |               |
| 0,25 mm                                                    | %                                                    | max. |  | 0             |
| 0,045 mm                                                   | %                                                    | max. |  | 3             |
| Water extract pH                                           |                                                      |      |  | 7 - 9         |
| Technological humidity                                     | %                                                    | max. |  | 1             |
| Loss of ignition                                           | %                                                    | max. |  | 0,5           |
| Heavy metals content                                       |                                                      |      |  |               |
| COMPENDIUM OF FOOD ADDITIVE SPECIFICATIONS VOLUME 1 (ROME) |                                                      |      |  |               |
| As                                                         | $\text{mg} \cdot \text{kg}^{-1}$                     | <    |  | 8,0           |
| Pb                                                         | $\text{mg} \cdot \text{kg}^{-1}$                     | <    |  | 10,0          |
| Heavy metals                                               | $\text{mg} \cdot \text{kg}^{-1}$                     | <    |  | 50,0          |
| Beer soluble                                               |                                                      |      |  |               |
| Al                                                         | $\text{mg} \cdot \text{kg}^{-1}$                     | max. |  | 220           |
| Ca                                                         | $\text{mg} \cdot \text{kg}^{-1}$                     | max. |  | 35            |
| Fe                                                         | $\text{mg} \cdot \text{kg}^{-1}$                     | max. |  | 80            |
| Smell                                                      | No                                                   |      |  |               |
| Taste                                                      | No                                                   |      |  |               |
| Colour                                                     | beige                                                |      |  |               |

Producer:  
LB MINERALS, s.r.o.  
Vodárenská 170, CZ-373 12 Borovany, Czech Republic

With effect from: 01.01.2017

## TECHNICAL DATA SHEET OF FILTRATION DIATOMITE F 15

| MF CK 15 M                                                 |                                                      |      |  |               |
|------------------------------------------------------------|------------------------------------------------------|------|--|---------------|
| PHYSICAL AND CHEMICAL PROPERTIES                           |                                                      |      |  |               |
| Filtration velocity                                        | $\text{l} \cdot \text{min}^{-1} \cdot \text{m}^{-2}$ |      |  | 50 - 80       |
| Permeability                                               | Darcy                                                |      |  | 0,050 - 0,100 |
| Density (wet)                                              | $\text{kg} \cdot \text{m}^{-3}$                      | max. |  | 500           |
| Grain size/sieve residue                                   |                                                      |      |  |               |
| 0,25 mm                                                    | %                                                    | max. |  | 0             |
| 0,045 mm                                                   | %                                                    | max. |  | 3             |
| Water extract pH                                           |                                                      |      |  | 7 - 9         |
| Technological humidity                                     | %                                                    | max. |  | 1             |
| Loss of ignition                                           | %                                                    | max. |  | 0,5           |
| Heavy metals content                                       |                                                      |      |  |               |
| COMPENDIUM OF FOOD ADDITIVE SPECIFICATIONS VOLUME 1 (ROME) |                                                      |      |  |               |
| As                                                         | $\text{mg} \cdot \text{kg}^{-1}$                     | <    |  | 8,0           |
| Pb                                                         | $\text{mg} \cdot \text{kg}^{-1}$                     | <    |  | 10,0          |
| Heavy metals                                               | $\text{mg} \cdot \text{kg}^{-1}$                     | <    |  | 50,0          |
| Beer soluble                                               |                                                      |      |  |               |
| Al                                                         | $\text{mg} \cdot \text{kg}^{-1}$                     | max. |  | 280           |
| Ca                                                         | $\text{mg} \cdot \text{kg}^{-1}$                     | max. |  | 180           |
| Fe                                                         | $\text{mg} \cdot \text{kg}^{-1}$                     | max. |  | 80            |
| Smell                                                      | No                                                   |      |  |               |
| Taste                                                      | No                                                   |      |  |               |
| Colour                                                     | beige                                                |      |  |               |

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## TECHNICAL DATA SHEET OF FILTRATION DIATOMITE F 70

| MF CK 70 M                                                 |                                                      |                                  |      |             |
|------------------------------------------------------------|------------------------------------------------------|----------------------------------|------|-------------|
| PHYSICAL AND CHEMICAL PROPERTIES                           |                                                      |                                  |      |             |
| Filtration velocity                                        | $\text{l} \cdot \text{min}^{-1} \cdot \text{m}^{-2}$ |                                  |      | 650 - 750   |
| Permeability                                               | Darcy                                                |                                  |      | 0,80 - 1,20 |
| Density (wet)                                              | $\text{kg} \cdot \text{m}^{-3}$                      | max.                             |      | 500         |
| Grain size/sieve residue                                   |                                                      |                                  |      |             |
| 0,25 mm                                                    | %                                                    | max.                             |      | 0           |
| 0,045 mm                                                   | %                                                    | max.                             |      | 15          |
| Water extract pH                                           |                                                      |                                  |      | 7 - 9       |
| Technological humidity                                     | %                                                    | max.                             |      | 1           |
| Loss of ignition                                           | %                                                    | max.                             |      | 0,5         |
| Heavy metals content                                       |                                                      |                                  |      |             |
| COMPENDIUM OF FOOD ADDITIVE SPECIFICATIONS VOLUME 1 (ROME) |                                                      |                                  |      |             |
|                                                            | As                                                   | $\text{mg} \cdot \text{kg}^{-1}$ | <    | 8,0         |
|                                                            | Pb                                                   | $\text{mg} \cdot \text{kg}^{-1}$ | <    | 10,0        |
|                                                            | Heavy metals                                         | $\text{mg} \cdot \text{kg}^{-1}$ | <    | 50,0        |
| soluble                                                    |                                                      |                                  |      |             |
|                                                            | Al                                                   | $\text{mg} \cdot \text{kg}^{-1}$ | max. | 140         |
|                                                            | Ca                                                   | $\text{mg} \cdot \text{kg}^{-1}$ | max. | 100         |
|                                                            | Fe                                                   | $\text{mg} \cdot \text{kg}^{-1}$ | max. | 40          |
| Smell                                                      | No                                                   |                                  |      |             |
| Taste                                                      | No                                                   |                                  |      |             |
| Colour                                                     | beige                                                |                                  |      |             |

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