

*Note that this data sheet is not lot-specific. Please consult the vial label and the certificate of analysis for information on specific lots.*

## **B-TeZ IAC Ochratoxin 3ml**

Catalogue Number: BTOT312005

Package Size: 10 Columns

### **1. Description**

Immuno affinity column based on monoclonal antibodies bonded to macroporous pearl cellulose beads.

### **2. Specificity**

Ochratoxin A (= OTA)

### **3. Form**

Columns filled with gel in phosphate buffered saline (50 mM K-phosphate, pH 7.5, 150 mM NaCl) containing 0.05% sodium azide and 0.01% 2-methyl-4-isothiazolin-3-one embedded within two porous frits.

### **4. Gel Bed Volume:**

0.3–0.5 ml

### **5. Column Working Range:**

0.05<sup>(1)</sup> – 200ng OTA. <sup>(1)</sup>Lower limit only depends on the sensitivity of the detection system (LC-FLD, LC-MS); the given value represents sensitivity of a common LC-FLD system

### **6. Recoveries:**

85 – 110% Of OTA within the column working range

### **7. Organic Solvent Tolerance:**

Up to 20% methanol or 10% acetonitrile in loading solution.

### **8. pH Tolerance:**

6.5 – 8.5

### **9. Flow Rate:**

1 – 3ml/min

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**10. Elution:**

1.5 - 3ml 98% methanol / 2% acetic acid (v/v)

**11. Column Capacity:**

3000ng Ochratoxin A

**12. Cross Reactivity<sup>(2)</sup>:**

Ochratoxin A (100%)

Ochratoxin B (103%) <sup>(2)</sup>Relative recovery rates when a semi-saturative quantity of ochratoxins (1500ng) in mixture is applied on the column.

**13. Application:**

Clean up of ailment (and feeding stuffs) extracts for reliable identification and accurate quantification of ochratoxins.

**14. Storage**

The performance of the immuno affinity column is guaranteed until the expiry date given on the label or certificate if stored at 4°C. Avoid freezing of the product.

**15. Additional Information**

Columns should be free of air bubbles inside the gel to achieve optimal results regarding flow and recovery rates.

**16. Product Instruction**

This product is shipped along with an instruction where detailed information is given how to use B-TeZ immuno affinity columns at its best.