




Certificate of Analysis SALSA® Hhal

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| Catalogue # | SMR50 | |
| Product name | SALSA Hhal | |
| LOT | Lot 0524 | |
|  | 200 reactions | |
| Shipping conditions | Dry ice or cooling elements. | |
|  | Store upon arrival between -25°C and -15°C. | |
|  | Expiration date: May 2027, when stored at recommended conditions. | |
| Purpose | The Hhal enzyme is an essential component of the MS-MLPA procedure to detect changes in methylation and/or copy number of multiple sequences in a single reaction. | |
| Quality control specifications | <ul style="list-style-type: none"> - Concentration tests using MS-MLPA reaction conditions. - Overdigestion tests with excess Hhal. - Exonuclease tests on synthetic oligos; fluorescently labelled at either the 3' or the 5' end, analysed by capillary electrophoresis. Performance tested with MS-MLPA using: <ul style="list-style-type: none"> - Low, normal and high concentration of Hhal. - Hhal that has been incubated at 30°C for one week. - Low, normal and high concentration of sample DNA. - Special reactions: including no DNA reactions, in vitro methylated DNA. - Each reaction result should conform to pre-determined specifications. | Test result |
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None of the ingredients are derived from humans, animals, or pathogenic bacteria. Based on the concentrations present, none of the ingredients are hazardous as defined by the Hazard Communication Standard. **A Safety Data Sheet (SDS) is not required for these products:** none of the preparations contain dangerous substances (as per Regulation (EC) No 1272/2008 [EU-GHS/CLP] and amendments) at concentrations requiring distribution of an SDS (as per Regulation (EC) No 1272/2008 [EU-GHS/CLP] and 1907/2006 [REACH] and amendments). If spills occur, clean with water and follow appropriate site procedures.

This lot was certified by MRC Holland on 11 July 2024.

This certificate is a declaration of analysis at the time of the manufacturing process. All assays were run in compliance with manufacturer's instructions for use.

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| More information: www.mrcholland.com ; www.mrcholland.eu | |
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Implemented changes in the COA

Version 02 – 30 April 2026 (1)

- All references to digitalMLPA removed.

Version 01 – 11 July 2024 (1)

- Not applicable, new document.