

Pesticide Residue Determination on Cumin Plant (*Nigella orientalis* L.) Grown through Agricultural Practices with LC-MS/MS and GC-MS

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Abstract : In this study, pesticide residues were investigated in black cumin (*Nigella orientalis* L.) seeds which grown in Turkey. GC-MS and LC-MS/MS analytical instruments are used in high precision, when determining residue limits. A total of 100 pesticide active ingredients in LC-MS/MS devices have been performed in *Nigella orientalis* L. seeds samples. Moreover, for same aim, 103 pesticide active ingredients were analyzed in GC-MS. This study conducted in 2012 and 2013. Samples residues were not found in detectable levels for two years.

Keywords : pesticide, residue, black cumin, *Nigella orientalis* L.

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