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摘要：本工作采用混酸(HNO₃+HClO₄)溶样方法,选择了仪器工作参数和待测同位素,研究了氧化物干扰与校正方法,采用Re作内标元素,对基体效应进行了补偿,用标准加入回收法验证了方法的准确性。从而建立了为两种标准物质定值分析的ICP-MS法,按照JJG 1006-94技术规范在严格质控条件下,提供了15种超痕量稀土元素的测定结果并检验了其均匀性和稳定性。

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The application of ICP-MS Method during the study of fixing rare earth elements value in national standards of wheat powder GBW08503 and human hair GBW09101

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Abstract: Mixed acid(HNO₃ + HClO₄)was used to dissolve samples during this study works. During the study, the instrument parameters were optimized and optimal isotope mass number was chosen. The oxides interference and the method to correct this interference was studied. Metal element Re was used as internal correction element to compensate matrix effects. The accuracy of this study works was approved by determining the recoveries which using standards addition method. According to the study works mentioned above,

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