

方药纵横

益视口服液中三种成分含量测定研究^{*}

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摘 要:目的 建立益视口服液中三种成分含量测定方法, 为提高制剂的质量标准提供依据。方法 采用高效液相色谱法, 测定制剂中2,3,5,4'-四羟基二苯乙烯-2-O- β -D-葡萄糖苷、党参炔苷及金丝桃苷的含量。结果 2,3,5,4'-四羟基二苯乙烯-2-O- β -D-葡萄糖苷在0.16 μ g ~ 3.84 μ g 范围内线性关系良好, $R^2=0.9999$, 平均回收率为96.79%, RSD为2.39%; 党参炔苷在0.4072 μ g ~ 9.7716 μ g 范围内有良好的线性关系, $R^2=0.9992$, 平均回收率为100.91%, RSD为1.85%; 金丝桃苷在0.5108 μ g ~ 12.258 μ g 范围内有良好的线性关系, $R^2=0.9994$, 平均回收率为98.85%, RSD为2.57%。结论 本研究所建立的方法合理可行, 可作为益视口服液质量控制的参考依据。

关键词: HPLC; 益视口服液; 含量测定

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Simultaneous Determination of Three Main Analytes of YISHI oral liquid by HPLC

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Abstract: Objective To establish the content determination method of three components of YiSHI oral liquid, and provide the basis for improving the quality of the preparation. **Methods** High performance liquid chromatography (HPLC) was used to determine the content of 2,3,5,4'-styrene - 4-hydroxy-2-O- β -D-glycosidase, Lobetyolin and Hyperoside of preparation. **Results** 2,3,5,4'-styrene - 4-hydroxy-2-O- β -D-glycosidase in the range 0.16 ~ 3.84 μ g had good linear relationship, $R^2=0.9999$, recovery was 96.79%, RSD=2.39%; Lobetyolin in the range 0.4072 ~ 9.7716 μ g had good linear relationship, $R^2=0.9992$, recovery was 100.91%, RSD=1.85%; Hyperoside in the range 0.5108 ~ 12.258 μ g had good linear relationship, $R^2=0.9994$, recovery was 98.85%, RSD=2.57%. **Conclusion** The method of HPLC to determine three main analytes of YISHI oral liquid is feasible, and it can be used as a reference for its quality control.

Keywords Content; HPLC; Yishi oral liquid

益视口服液为部颁标准收载品种益视颗粒 (WS₃-B-3307-98) 改剂型而来, 由党参、当归、五味子(蒸)、山药、制何首乌等十四味中药组成, 具有滋补肝肾, 益精养血的功效, 临床上主要用于肝

肾不足, 气血亏虚引起的视力低下的治疗^[1]。方中党参大补元气, 复脉固脱, 补脾益肺, 生津, 安神; 五味子收敛固涩; 当归补血, 活血; 山药补脾益胃, 生津益肺, 补肾涩精; 制何首乌补肝肾, 益精

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