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Determination of Polydimethylsiloxane in Meteospasmyl Capsules by IR

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Abstract This paper reports the determination of polydimethylsiloxane in Meteospasmyl capsules by IR. Polydimethylsiloxane was extracted from Meteospasmyl capsules with carbon tetrachloride. The solution was placed in a filled cell, the IR spectrum was recorded and the background was deducted with computer. Quantitative determination of polydimethylsiloxane was at 1260 cm^{-1}. A linear relation was obtained in the range of 4～8 mg/ml, $r=0.9998$. The mean recovery was 101.1%($n=5$), and $RSD=2.0\%$.

Keywords Meteospasmyl capsules; Polydimethylsiloxane; IR; Determination of content

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[文摘 013] 正交实验设计筛选酒炙白芍的最佳炮制条件 杨中林,卢凤兰,张　琳等. 中药材,1996,**19**(5):238

采用正交实验设计,以芍药甙的含量测定为指标,筛选酒炙白芍的炮制条件。其结果提示以加酒量5%,温度90℃,加热10 min为最佳炮制条件。

[文摘 014] 海龙科药用资源调查 张朝晖,徐国钧,徐珞珊等. 中药材,1997,**20**(5):224

对我国沿海海龙科药用动物资源调查结果表明,目前供药用的有7属12种,并就人工养殖问题作了分析。

[文摘 015] 吡乙酰胺合成工艺改进 王礼琛,芦金荣,张德伟,黄嘉梓. 现代应用药学,1997,**14**(1):29

以α-吡咯烷酮和氯乙酸甲酯为原料,经缩合、氨解反应合成吡乙酰胺。并用正交设计和均匀设计试验优化反应条件,总收率达66%。

[文摘 016] 气质联用研究厚朴及其炮制品中挥发油 曾　诠,周干南,屠万蓓等. 中草药,1997,**28**(2):81

研究厚朴炮制前后挥发油的变化。结果表明:总含量降低,炒黄与姜炙厚朴相似,挥发油含量降低26%,炒焦降低42%,而其化学成分未发生明显变化,气相色谱图基本一致。实验发现挥发油中含有发汗、祛痰、平喘成分。