

SYRUP OF PHOSPHATE OF IRON, QUINIA AND STRYCHNIA, WITH PHOSPHATE OF AMMONIA.*

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Ferri Sulphatis	grs. 2625
Sodæ phosphatis	℥ix
Acidi phosph. glacialis.....	℥viii
Acidi nitric. C. P.....	℥vi
Quinæ sulphatis	grs. 336
Acidi sulphurici dil.	q. s.
Aquæ ammoniæ concent.....	q. s.
Strychnia	grs. xii ss.
Syrupi, q. s. ad.....	℥xlvi.

Dissolve the sulphate of iron in seven ounces of boiling water, and the sulphate of soda in twelve ounces of boiling water; mix them in a precipitating jar and carefully wash the precipitated phosphate of iron; add the phosphoric acid to ℥xxx of distilled water, apply gentle heat on a sand-bath until dissolved, then introduce the nitric acid, and continue the application of heat until the solution is reduced to the measure of seventeen ounces, or until the fumes of nitric acid cease to be evolved; dissolve the quina by aid of the dilute sulphuric acid in four ounces of water, and precipitate the alkaloid by aqua ammoniæ slowly added, and carefully wash; dissolve the phosphate of iron, the quina and also the strychnia in 10 fluid-ounces of the acid by the aid of heat on the sand-bath, the alkaloids being withheld until the iron is dissolved; saturate the remaining seven fluid-ounces of the phosphoric acid with the concentrated liq. ammoniæ, and lastly mix the two solutions in sufficient dense syrup to measure forty-two ounces.

This formula, which is based on the same principle as the ammonio-citrate, ammonia-tartrate, and other salts of iron combining a neutral salt with an alkali base, produces a ferric syrup which is scarcely inferior to iron by hydrogen in therapeutical power, and surpasses all other syrups in permanency. I have never known it to precipitate the iron salt or undergo decomposition. It is too expensive and difficult to prepare to supersede Easton's formula, and although very superior to it in chlorosis, neuralgia, and some types of anæmia, its use is more circumscribed, and must yield the palm to that preparation as a general tonic. In diseases attended with derangement of the nervous system, I have derived very satisfactory results from this combination, even after I have failed to derive advantage from the syrup of Easton. In broken down cases of

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