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TEST REPORT

Date Reported: 4/18/2007
Date Received: 4/6/2007
Client ID: HEALTHOP
Client PO:

Work Order: 070406018 Sample ID: 070406018-01A

Project

Client Sample ID: Flavocin #030772

Analyses	Result	Units	MDL	Date Analyzed
^A GLUCOSAMINE Glucosamine HCl	530	mg/tablet		JKR 4/12/2007
^A VITAMIN C Vitamin C	21	mg/tablet		MAB 4/12/2007
WEIGHT PER TABLET Weight per Tablet	2.671	g/tablet		MAB 4/12/2007
# ZINC Zinc	2.25	mg/tablet		KI 4/18/2007

Department Manager

* = Scope Analysis
= Subcontracted Analysis
MDL = Method Detection Limit
ND = Not Detected at the Method Detection Limit

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For 18 2007 04:03pm PROS/003

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INDUSTRIAL LABS



ANALYTICAL REPORT

DATE: April 26, 2007

Sample:	Lot Number:
Flavocin	030772

Analyte	Result*	Unit*
Chondroitin sulfate	236.8	mg / tab

* Analysis performed on a composite sample made from five tablets.
Average tablet weight = 2691.3 mg

Chondroitin sulfate analysis performed by size exclusion (SEC) HPLC employing post column derivatization method adapted from Enobakhare, Bader, and Lee, Analytical Biochem., 243: 189-191, 1996. utilizing: Chondroitin sulfate (std and sample) prepared as 0.5 mg/ml solution of potassium phosphate buffer (pH6.8 - 0.025M KH_2PO_4 and K_2HPO_4 with 0.05M KCl). SEC analysis performed on a YMC-Pack Diol-300 $5\mu\text{m}$, 300Å 300x6.0 mm, with a 48x4.6mm guard of same material. Mobile phase of potassium phosphate buffer (pH6.8 - 0.025M KH_2PO_4 and K_2HPO_4 with 0.05M KCl), 1ml/min, and post column derivatization with dimethylmethylene blue (18.5 $\mu\text{g/ml}$; 0.5ml/min) with UV detection at 519nm. Size exclusion calibration performed with Pullulan standards using refractive index detector. SEC calibration curves used to determine molecular weights, chondroitin sulfate standard solution used to determine response factor curve. Authentic reference materials obtained from Sigma-Aldrich.

Dinesh Patel, Ph.D.
Laboratory Director

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