

No attempt has been made to rank the information contained in this report in order of importance, since BPA Worldwide believes this is a judgment, which must be made by the user of the report.

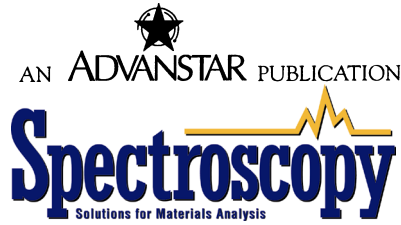
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FIELD SERVED

SPECTROSCOPY serves the fields of private industry, universities, colleges, government, hospitals, medical centers, research lab, institute, foundation, independent analytical labs, utilities and others allied to the field.

DEFINITION OF RECIPIENT QUALIFICATION

Qualified recipients are personnel engaged in the job functions of research and development, quality control, assurance, validation; process control, manufacturing, engineering, design, technical services, lab management, analysis, teaching, corporate management, regulatory, marketing, sales and other functions allied to the field.



AVERAGE NON-QUALIFIED CIRCULATION	
NON-QUALIFIED Not Included Elsewhere	Copies
Other Paid Circulation _____	68
Advertiser and Agency _____	356
Rotated or Occasional _____	-
Allocated for Trade Shows and Conventions _____	550
All Other _____	419
TOTAL	1,393

1. AVERAGE QUALIFIED CIRCULATION BREAKOUT FOR PERIOD						
QUALIFIED CIRCULATION	Total Qualified		Qualified Non-Paid		Qualified Paid	
	Copies	Percent	Copies	Percent	Copies	Percent
Individual _____	24,300	100.0	24,291	100.0	9	-
Sponsored Individually Addressed _____	-	-	-	-	-	-
Membership Benefit _____	-	-	-	-	-	-
Multi-Copy Same Addressee _____	-	-	-	-	-	-
Single Copy Sales _____	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	24,300	100.0	24,291	100.0	9	-

2. QUALIFIED CIRCULATION BY ISSUES WITH REMOVALS AND ADDITIONS FOR PERIOD											
2004 Issue	*Number Removed	*Number Added	Qualified Non-Paid	Qualified Paid	Total Qualified	2004 Issue	*Number Removed	*Number Added	Qualified Non-Paid	Qualified Paid	Total Qualified
July _____	587	588			24,300	October _____	2,079	2,080			24,300
August _____	634	635			24,300	November _____	1,539	1,539			24,300
September _____	1,576	1,577			24,300	December _____	85	81			24,300
						TOTAL	6,500	6,500			

*See Paragraph 11

3a. BUSINESS/OCCUPATIONAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2004
This issue is equal to the average of the other 5 issues reported in Paragraph two.

BUSINESS AND INDUSTRY	Total Qualified	Percent of Total	CLASSIFICATION BY FUNCTION											
			Research and Development	Quality Control, Assurance, Validation	Corporate Management	Lab Management	Analysis	Teaching	Technical Services	Engineering, Design	Marketing, Sales	Process Control, Manufacturing	Regulatory	Other Functions Allied to the Field
Private Industry _____	15,882	65.4	8,595	1,736	1,644	841	672	31	797	510	518	479	59	-
Universities, Colleges _____	3,752	15.4	2,211	28	36	188	84	1,081	67	31	6	8	12	-
Government _____	2,105	8.7	932	156	49	279	380	11	136	44	8	18	92	-
Research Labs, Institutes, Foundations _____	1,256	5.2	881	58	114	66	42	10	28	23	9	15	10	-
Independent Analytical Labs	728	3.0	151	84	98	213	116	2	45	6	8	5	-	-
Hospitals, Medical Centers_	450	1.9	214	19	49	53	43	11	45	5	6	1	4	-
Utilities _____	127	0.5	13	19	6	29	26	-	16	9	2	5	2	-
Others Allied to the Field __	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	24,300	100.0	12,997	2,100	1,996	1,669	1,363	1,146	1,134	628	557	531	179	-
PERCENT	100.0	-	53.5	8.6	8.2	6.9	5.6	4.7	4.7	2.6	2.3	2.2	0.7	-

3b. QUALIFICATION SOURCE BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2004							
QUALIFICATION SOURCE	Qualified Within			Qualified Non-Paid	Qualified Paid	*Total Qualified	Percent
	1 year	2 years	3 years				
I. TOTAL - Personal direct request from the recipient: _____	19,198	4,370	-			23,568	97.0
a. Written _____	2,020	785	-			2,805	11.5
b. Telecommunication _____	8,499	2,336	-			10,835	44.6
c. Internet and E-Mail _____	8,679	1,249	-			9,928	40.9
II. TOTAL - Request from recipient's company: _____	-	-	-			-	-
a. Written _____	-	-	-			-	-
b. Telecommunication _____	-	-	-			-	-
c. Internet and E-Mail _____	-	-	-			-	-
III. TOTAL - Membership Benefit: _____	-	-	-			-	-
a. Individual _____	-	-	-			-	-
b. Organizational _____	-	-	-			-	-
IV. TOTAL - Communication from recipient or recipient's company (other than request): _____	-	-	-			-	-
a. Written _____	-	-	-			-	-
b. Telecommunication _____	-	-	-			-	-
c. Internet and E-Mail _____	-	-	-			-	-
V. TOTAL - Sources other than above (listed alphabetically): _____	725	-	-			725	3.0
Association rosters and directories _____	-	-	-			-	-
Business directories _____	-	-	-			-	-
Independent field reports _____	-	-	-			-	-
Licensees - National, State or Local Government _____	-	-	-			-	-
Manufacturer's, distributor's and wholesaler's lists _____	-	-	-			-	-
Other sources _____	725	-	-			725	3.0
VI. TOTAL - Single Copy Sales: _____	-	-	-			-	-
TOTAL QUALIFIED CIRCULATION	19,923	4,370	-			24,293	100.0
*See Paragraph 11	PERCENT	82.0	18.0	-		100.0	-

Paid Source Information can be reported at the option of the publisher.

3c. MAILING ADDRESS BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2004				
MAILING ADDRESS	Qualified Non-Paid	Qualified Paid	Total Qualified	Percent
Individuals by name and title and/or function _____			24,300	100.0
Individuals by name only _____			-	-
Titles or functions only _____			-	-
Company names only _____			-	-
Multi-Copy Same Addressee copies _____			-	-
Single Copy Sales _____			-	-
TOTAL QUALIFIED CIRCULATION			24,300	100.0

4. GEOGRAPHICAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2004									
State & Zip Code	Qualified Non-Paid	Qualified Paid	Total Qualified	Percent	State & Zip Code	Qualified Non-Paid	Qualified Paid	Total Qualified	Percent
039-049 Maine _____			46		400-427 Kentucky _____			157	
030-038 New Hampshire _____			118		370-385 Tennessee _____			384	
050-059 Vermont _____			44		350-369 Alabama _____			212	
010-027 Massachusetts _____			1,290		386-397 Mississippi _____			101	
028-029 Rhode Island _____			63		EAST SO. CENTRAL			854	3.5
060-069 Connecticut _____			585		716-729 Arkansas _____			94	
NEW ENGLAND			2,146	8.8	700-714 Louisiana _____			212	
100-149 New York _____			1,605		730-749 Oklahoma _____			133	
070-089 New Jersey _____			1,884		750-799 Texas _____			1,037	
150-196 Pennsylvania _____			1,471		WEST SO. CENTRAL			1,476	6.1
MIDDLE ATLANTIC			4,960	20.5	590-599 Montana _____			53	
430-459 Ohio _____			1,028		832-838 Idaho _____			87	
460-479 Indiana _____			695		820-831 Wyoming _____			37	
600-629 Illinois _____			1,392		800-816 Colorado _____			363	
480-499 Michigan _____			842		870-884 New Mexico _____			168	
530-549 Wisconsin _____			494		850-865 Arizona _____			223	
EAST NO. CENTRAL			4,451	18.3	840-847 Utah _____			203	
550-567 Minnesota _____			431		889-898 Nevada _____			81	
500-528 Iowa _____			191		MOUNTAIN			1,215	5.0
630-658 Missouri _____			537		995-999 Alaska _____			7	
580-588 North Dakota _____			35		980-994 Washington _____			319	
570-577 South Dakota _____			15		970-979 Oregon _____			173	
680-693 Nebraska _____			135		900-961 California _____			3,095	
660-679 Kansas _____			164		967-968 Hawaii _____			37	
WEST NO. CENTRAL			1,508	6.2	PACIFIC			3,631	14.9
197-199 Delaware _____			224		UNITED STATES			24,131	99.3
206-219 Maryland _____			833		969 & 004-009				
200-205 Washington, DC _____			90		U.S. Territories _____			162	
220-246 Virginia _____			417		Canada _____			3	
247-268 West Virginia _____			112		Mexico _____			-	
270-289 North Carolina _____			745		Other International _____			4	
290-299 South Carolina _____			270		APO/FPO _____			-	
300-319 Georgia _____			435		TOTAL QUALIFIED CIRCULATION			24,300	100.0
320-349 Florida _____			764						
SOUTH ATLANTIC			3,890	16.0					

9. FIVE CALENDAR YEAR ANALYSIS: AVERAGE ANNUAL AUDITED QUALIFIED CIRCULATION AND CURRENT UNAUDITED CIRCULATION STATEMENTS

	Audited Data	Audited Data	Audited Data	Circulation Claim
	2001	2002	2003	*2004
Total Audit Average Qualified: ____	24,302	24,304	24,301	24,300
Qualified Non-Paid: _____	24,283	24,289	24,293	24,291
Qualified Paid: _____	19	15	8	9
Post Expire Copies included in Paid Circulation: _____	2.9%	**NC	**NC	**NC
Average Annual Order Price: _____	\$84.10	**NC	**NC	**NC

***NOTE: 2004 data is unaudited. With each successive year, new data will be added until five years of data is displayed.**

**NC = None claimed.

10. PAID CIRCULATION DATA

**NC	Average Annual Subscription Order Price for the Period Required (includes promotional incentive value, if any)
12	Issues Per Year
**NC	All Single Copy Sales Prices for the Period
**NC	Renewal Rate of Paid Subscribers (Optional)

11. ADDITIONAL DATA**PARAGRAPH 2:**

Additions and removals are not required for Qualified Paid Circulation.

PARAGRAPH 3b:

Paragraph 3b includes 24,293 qualified non-paid circulation. Qualified paid circulation of 7 combined with the qualified non-paid circulation equal 24,300 total qualified circulation for the analyzed issue.

PARAGRAPHS 5 THROUGH 8 ARE NOT REQUIRED.

PUBLISHER'S AFFIDAVIT

We hereby make oath and say that all data set forth in this statement are true.

Robert A. Dahl, Group Circulation Director

Emily Haugsand, Circulation Manager

(At least one of the above signatures must be that of an officer of the publishing company or its authorized representative.)

IMPORTANT NOTE:

This unaudited circulation statement has been checked against the previous audit report. It will be included in the annual audit made by BPA Worldwide.

Date signed January 13, 2005

State Minnesota

County St. Louis

Received by BPA Worldwide January 12, 2005

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