ARTICLE REVIEW REPORT

INDIAN STREAMS RESEARCH JOURNAL

International Recognition Multidisciplinary Research Journal

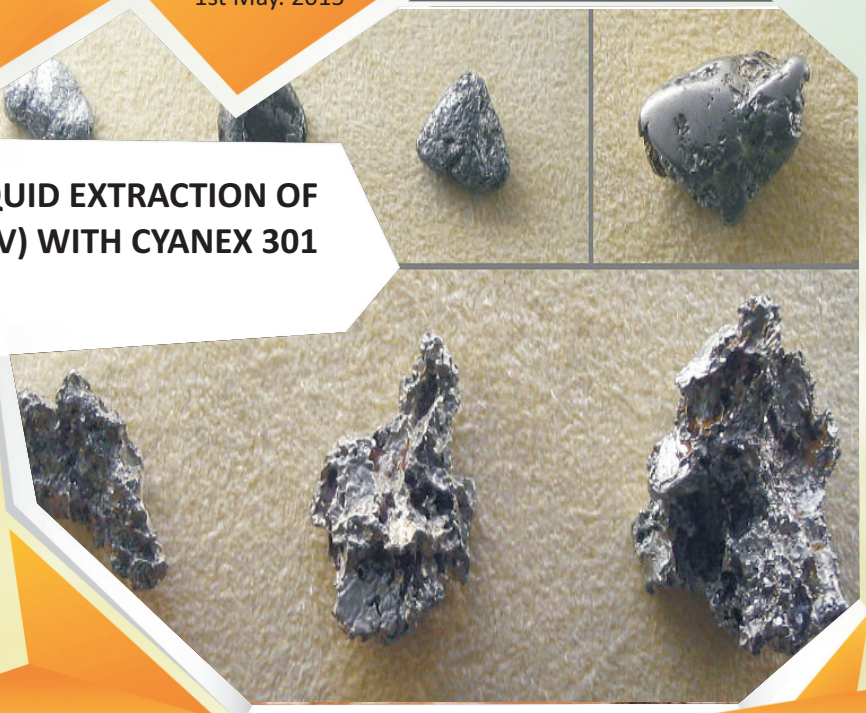
ISSN: 2230-7850 Impact Factor:3.1560 (UIF)

ORIGINAL ARTICLE

Published: 1st May. 2015

Vol. -V, Issue - IV, May. 2015

LIQUID LIQUID EXTRACTION OF PLATINUM (IV) WITH CYANEX 301



Your Article QR Code

See your article on Mobile

Bhanu Raman

ABSTRACT

This paper describes experimental work of solvent extraction of Pt (IV) from acidic aqueous media with Cyanex 301 as extractant in chloroform. Various parameters such as acid concentration, reagent concentration, SnCl2 concentration, shaking time, effect of diluents and effect of foreign ions were studied. Quantitative extraction of Pt (IV) in 0.6M HCl and 1.1 ml of 1M SnCl2 stannous chloride was possible with 0.08 M Cyanex 301 after 75 seconds of shaking .

Article Indexed in

DRJI · citeulike · ENDNOTE · delicious · EasyBib · digg · DOAJ DIRECTORY OF OPEN ACCESS JOURNALS · Google Scholar · figshare · MENDELEY · zotero · GOARTICLES · MyNetResearch Empowering Collaboration

Correspondence to **Bhanu Raman , S.S. Salunke and Bright O' Philip**

Designation:- **Department of Chemistry, K. J. Somaiya College of Science & Commerce, Vidyavihar, Mumbai.**

Introduction

Platinum is one of the noble metal and a lustrous, ductile, and malleable, silver-white metal.[1]. The most common oxidation states of platinum are +2 and +4. Although elemental platinum is generally unreactive, it dissolves in hot *aqua regia* to give aqueouschloroplatinic acid (H_2PtCl_6)

A Good Introduction : -

Importance of the expected results to the general inqu Extremely briefly depict the exploratory configuration and how it achieved the expressed destinations.

Materials

All the chemicals (E. Merck) and diluents used in the present experimental studies were of Analytical Reagent grade. The extractant Cyanex 301 was supplied by Cytec Inc. Canada was used without further purification.

A Good Materials : -

Materials may be accounted for in a different passage or else they may be distinguished alongside your systems. Inc or supplies that are not generally found in research centers.

Result

The absorption of Platinum- Cyanex complex was studied over a wavelength range of 200-500 nm. The golden yellow coloured complex exhibited absorption maxima at 425nm (Fig 1).

A Good Result : -

Results are as per aims and objective and useful to further research .

Conclusion

Trees, grasses, and vegetation can minimize the amount of water infiltrating into the soil, slow the erosion caused by surface-water flow, and remove water from the soil. Although vegetation alone cannot prevent or stop a landslide, removal of vegetation from a landslide-prone slope may initiate a landslide.'

A Good Conclusion : -

Thus, the research have wider scope for new academician and research scholars.

References

- Lagowski, J. J., ed. (2004). Chemistry Foundations and Applications 3. Thomson Gale. pp. 267–268. ISBN 0-02-865724-1.
- Kauffman, George B.; Thurner, Joseph J.; Zatko, David A. (1967). "Ammonium Hexachloro platinate(IV)". Inorganic Syntheses. Inorganic Syntheses9: 182–185. doi:10.1002/9780470132401.ch51. ISBN 978-0-470-13240-1.
- "Air Quality Guidelines" (Second ed.). WHO Regional Office for Europe, Copenhagen, Denmark. 2000.

A Good References : -

There are Places where the Author Bhanu Raman , S.S. Salunke and Bright O' Philip Need to Cite a Reference, but Have Not

SUMMARY OF ARTICLE

No.		Very High	High	Aver-age	Low	Very Low
1.	Interest of the topic to the readers		✓			
2.	Originally & Novelty of the ideas	✓				
3.	Importance of the proposed ideas		✓			
4.	Timelines			✓		
5.	Sufficient information to support the assertions made & conclusion drawn	✓				
6.	Quality of writing (Organization, Clarity, Accuracy Grammer)	✓				
7.	References & Citation (Up-to-date, Appropriate Sufficient)					

FUTURE RESEARCH PLANNING:

1. Career For Faculty (http://academicprofile.org/Professor/CareerForFaculty.aspx)
2. Academic Plan (http://academicprofile.org/Professor/AcademicPlan.aspx)
3. Regarding Professor Promotion (http://academicprofile.org/Professor/regardingPromotion.aspx)
4. Fellowship for Post Doctoral (http://academicprofile.org/Professor/FellowshipForPD.aspx)

HOW TO INCREASE API

LAXMI BOOK PUBLICATION

CERTIFICATE
OF PUBLICATION

This is to certify our Editorial, Advisory and Review Board accepted research paper of Bhanu Raman , S.S. Salunke and Bright O' Philip Topic:- Liquid Liquid Extraction Of Platinum (iv) With Cyanex 301 College:- Department of Chemistry, K. J. Somaiya College of Science & Commerce, Vidyavihar, Mumbai. The research paper is original & Innovative. It is done double blind peer reviewed. Your article is published in the month of May Year 2015.

LAXMI
BOOK PUBLICATION
Ph.: 0217-2372010 / +91-9595-359-435
Email.: ayisrj2011@gmail.com
Website.: wwwisrj.org

Authorized Signature

H. N. Jagtap
Editor-in-Chief

CERTIFICATE
OF EXCELLENCE IN REVIEWING

This is to certify our Editorial, Advisory and Review Board accepted research paper of **Bhanu Raman , S.S. Salunke and Bright O' Philip** on topic **LIQUID Liquid Extraction Of Platinum (iv) With Cyanex 301** College:- **Department of Chemistry, K. J. Somaiya College of Science & Commerce, Vidyavihar, Mumbai.** The research paper is Original & Innovative. It is done double blind peer reviewed. Your article is published in the month of **May** Year **2015**.

LAXMI
BOOK PUBLICATION
Ph.: 0217-2372010 / +91-9595-359-435
Email.: ayisrj2011@gmail.com
Website.: wwwisrj.org

Authorized Signature

H. N. Jagtap
Editor-in-Chief

REVIEWER COMMENTS

- The presentation is pertinent and hypothesis based.
- Sufficient data about the past study discoveries is displayed for perusers to take after the present study method of reasoning and strategies.

Authorized Signature

Dr. Ashok Yakkaldevi
Review Editor

LAXMI BOOK PUBLICATION
Ph.: 0217-2372010 /
+91-9595-359-435
Email.: ayisrj2011@gmail.com
Website:. www.isrj.org