

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

# الآية:

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قال تعالى:

﴿وَلَا تَقْتُلُوا أَنْفُسَكُمْ إِنَّ اللَّهَ كَانَ بِكُمْ رَحِيمًا﴾

صدق الله العظيم

النساء الآية (29)

## **Dedication**

This work is dedicated to my parents, brothers and sister

## **Acknowledgement**

First thanks to allah, and we would like to thank you our supervisor **Ustaz Yasin Abd Elwahab Mohammed**

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## **Abstract**

In This research we studied PPD in hair dyes in Two samples of hair dyes from Sudanese market in Khartoum the study showed PPD peak by IR –function group of benzene, N-H and OH observed clearly and UV, from 190 to 700 nm.

## ملخص البحث

هدفت هذه الدراسة الى تقدير بارا فينايلين ثنائي امين في صبغات الشعر من عينتين تجاريتين من الحناء من الاسواق المحليه في ولاية الخرطوم . وتم التعرف على مخطط (PPD) وبعض الزمر الوظيفية بواسطة (UV) وطيف (IR) في المدى ما بين 190 إلى 700.

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