



4)???:F4????????????

5)???(?):????????????????????

6)????:????????????????????

7)?:????????????????????????????????390??  
?\*??????

????????????????????????????????V??pH?0-14(  
[??](#)????????????????????)??-100?~100???? ????10Mpa?

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1)????;?:F4????F4????????

2)????:????????????????

3)??,????G=PV(??G????P????(2.18g/cm<sup>3</sup>)

V?????)????

4)?:F4????????????

5)???(?):????????????????

6)????:????????????????

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1)?????;?:?F4?????F4??????????

2)????:????????????????????

3)??,????G=PV(??G?????P??????(2.18g/cm3)

V?????)?????

4)?:?F4????????????????

5)???(?):????????????????????????

6)????:????????????????????????????

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1)?????;?:?F4?????F4??????????

2)????:????????????????????

3)??,????G=PV(??G?????P??????(2.18g/cm3)

V?????)?????

4)?:?F4????????????????

5)???(?):????????????????????????

6)????:????????????????????????

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1)?????;?:?F4?????F4?????????

2)????:?????????????????

3)??,????G=Pv(??G?????P??????(2.18g/cm<sup>3</sup>)

V?????)?????

4)?:?F4?????????????

5)???(?):?????????????????????

6)????:?????????????????????????????????

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1)?????;?:?F4?????F4?????????

2)????:?????????????????????

3)??,????G=Pv(??G?????P??????(2.18g/cm<sup>3</sup>)

V?????)?????

4)?:?F4?????????????

5)???(?):?????????????????????

6)????:?????????????????????????????????

