

# Tropical Fjord vol, 5 KVEIK IPA IX Warمیński KPD PK

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- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **64**
- SRM **4.6**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **5 %**
- Size with trub loss **17.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **21.6 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

## Steps

- Temp **66 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **15 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **76C**
- Sparge using **11.6 liter(s)** of **76C** water or to achieve **21.6 liter(s)** of wort

## Fermentables

| Type  | Name            | Amount     | Yield | EBC |
|-------|-----------------|------------|-------|-----|
| Grain | Pale Ale Best   | 3 kg (60%) | 80 %  | 6   |
| Grain | Weizenmalz Best | 1 kg (20%) | 82 %  | 4   |
| Grain | Platki owsiane  | 1 kg (20%) | 80 %  | 3   |

## Hops

| Use for   | Name      | Amount | Time     | Alpha acid |
|-----------|-----------|--------|----------|------------|
| Whirlpool | Chinook   | 50 g   | 30 min   | 11.7 %     |
| Whirlpool | Moutere   | 50 g   | 30 min   | 15.3 %     |
| Dry Hop   | Moutere   | 100 g  | 3 day(s) | 15.3 %     |
| Dry Hop   | Idaho Gem | 100 g  | 3 day(s) | 13.7 %     |
| Dry Hop   | Idaho 7   | 100 g  | 3 day(s) | 12.7 %     |