

ICE DOUBLE WEST COAST IPA - III FPD

- Gravity **23.3 BLG**
- ABV **10.7 %**
- IBU **63**
- SRM **5.1**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **30 liter(s)**

Steps

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

Mash step by step

- Heat up **22.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Sparge using **11.4 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pilsner malt | 2.5 kg (26.3%) | 82 % | 4 |
| Grain | Viking Pale Ale malt | 5 kg (52.6%) | 80 % | 5 |
| Sugar | cukier | 2 kg (21.1%) | --- % | 0 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|-------------------|--------|----------|------------|
| Boil | Lublin (Lubelski) | 80 g | 60 min | 4 % |
| Whirlpool | lunga | 50 g | 15 min | 11 % |
| Whirlpool | Dr Rudi | 50 g | 15 min | 11.8 % |
| Whirlpool | Mosaic | 50 g | 15 min | 10 % |
| Whirlpool | Galaxy | 50 g | 15 min | 15 % |
| Dry Hop | lunga | 50 g | 2 day(s) | 11 % |
| Dry Hop | Dr Rudi | 50 g | 2 day(s) | 11.8 % |
| Dry Hop | Mosaic | 50 g | 2 day(s) | 10 % |
| Dry Hop | Galaxy | 50 g | 2 day(s) | 15 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------|------|--------|--------|------------------|
| FM52 Amerykański Sen | Ale | Liquid | 10 ml | Fermentum Mobile |

| | | | | |
|--------------|-----|-------|-------|-----------|
| Safale US-05 | Ale | Slant | 50 ml | Fermentis |
|--------------|-----|-------|-------|-----------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|-----------|--------|---------|--------|
| Fining | whirlfloc | 5 g | Boil | 15 min |