

## freeski ipa - season opening

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **22**
- SRM **3.3**

### Batch size

- Expected quantity of finished beer **14 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **18.5 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **10.5 liter(s)**
- Total mash volume **13.5 liter(s)**

### Fermentables

| Type  | Name           | Amount        | Yield | EBC |
|-------|----------------|---------------|-------|-----|
| Grain | Pilzneński     | 3 kg (93.8%)  | 81 %  | 4   |
| Sugar | maltodekstryna | 0.2 kg (6.3%) | 90 %  | 1   |

### Hops

| Use for   | Name     | Amount | Time     | Alpha acid |
|-----------|----------|--------|----------|------------|
| Whirlpool | Amarillo | 25 g   | 15 min   | 9.5 %      |
| Whirlpool | Ekuanot  | 25 g   | 15 min   | 14 %       |
| Dry Hop   | Amarillo | 75 g   | 3 day(s) | 9.5 %      |
| Dry Hop   | Ekuanot  | 75 g   | 3 day(s) | 14 %       |