

# Ice Fresh Pale Ale

- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **64**
- SRM **5**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

## Fermentables

| Type  | Name                | Amount       | Yield | EBC |
|-------|---------------------|--------------|-------|-----|
| Grain | Strzegom Pale Ale   | 5 kg (83.3%) | 79 %  | 6   |
| Grain | Strzegom Pilzneński | 1 kg (16.7%) | 80 %  | 4   |

## Hops

| Use for             | Name    | Amount | Time     | Alpha acid |
|---------------------|---------|--------|----------|------------|
| Boil                | Polaris | 5 g    | 55 min   | 20.8 %     |
| Boil                | Polaris | 10 g   | 45 min   | 20.8 %     |
| Boil                | Polaris | 10 g   | 30 min   | 20.8 %     |
| Boil                | Motueka | 10 g   | 30 min   | 8 %        |
| Boil                | Motueka | 10 g   | 15 min   | 8 %        |
| Aroma (end of boil) | Polaris | 15 g   | 5 min    | 20.8 %     |
| Aroma (end of boil) | Motueka | 10 g   | 5 min    | 8 %        |
| Aroma (end of boil) | Polaris | 10 g   | 0 min    | 20.8 %     |
| Aroma (end of boil) | Motueka | 5 g    | 0 min    | 8 %        |
| Whirlpool           | Polaris | 10 g   | ---      | 20.8 %     |
| Whirlpool           | Motueka | 5 g    | ---      | 8 %        |
| Dry Hop             | Polaris | 40 g   | 3 day(s) | 20.8 %     |
| Dry Hop             | Motueka | 10 g   | 3 day(s) | 8 %        |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 11.5 g | Fermentis  |

## Extras

| Type  | Name    | Amount | Use for | Time  |
|-------|---------|--------|---------|-------|
| Spice | curacao | 20 g   | Boil    | 5 min |

|       |                   |      |           |          |
|-------|-------------------|------|-----------|----------|
| Spice | werbena cytrynowa | 10 g | Boil      | 5 min    |
| Spice | werbena cytrynowa | 20 g | Secondary | 5 day(s) |
| Herb  | mięta zielona     | 60 g | Boil      | 5 min    |