

# Orange IPA

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **50**
- SRM **4.5**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19.4 liter(s)**

## Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **6.9 liter(s)**
- Total mash volume **9.2 liter(s)**

## Fermentables

| Type    | Name                       | Amount         | Yield | EBC |
|---------|----------------------------|----------------|-------|-----|
| Grain   | Pilzneński                 | 1.5 kg (53.6%) | 81 %  | 4   |
| Grain   | Pszeniczny                 | 0.6 kg (21.4%) | 85 %  | 4   |
| Grain   | Cara Gold                  | 0.1 kg (3.6%)  | 75 %  | 120 |
| Grain   | Caramel/Crystal Malt - 10L | 0.1 kg (3.6%)  | 75 %  | 20  |
| Adjunct | Pszenica niestodowana      | 0.5 kg (17.9%) | 75 %  | 3   |

## Hops

| Use for             | Name              | Amount | Time     | Alpha acid |
|---------------------|-------------------|--------|----------|------------|
| Boil                | Admiral           | 15 g   | 60 min   | 14.3 %     |
| Boil                | Mandarina Bavaria | 10 g   | 15 min   | 10 %       |
| Boil                | Mandarina Bavaria | 15 g   | 5 min    | 10 %       |
| Aroma (end of boil) | Mandarina Bavaria | 20 g   | 5 min    | 10 %       |
| Whirlpool           | Mandarina Bavaria | 30 g   | 0 min    | 10 %       |
| Dry Hop             | Mandarina Bavaria | 25 g   | 7 day(s) | 10 %       |
| Dry Hop             | Mandarina Bavaria | 25 g   | 2 day(s) | 10 %       |

## Yeasts

| Name        | Type | Form  | Amount | Laboratory |
|-------------|------|-------|--------|------------|
| Safale S-04 | Ale  | Slant | 100 ml | Safale     |

## Extras

| Type   | Name                   | Amount | Use for   | Time     |
|--------|------------------------|--------|-----------|----------|
| Flavor | Skurka pomarańczy      | 40 g   | Boil      | 5 min    |
| Flavor | Sok pomarańczowy w [L] | 1500 g | Secondary | 7 day(s) |

|        |                   |      |           |          |
|--------|-------------------|------|-----------|----------|
| Flavor | Skurka pomarańczy | 40 g | Secondary | 2 day(s) |
|--------|-------------------|------|-----------|----------|

## Notes

- Sok z pomarańczy miał 7blg  
*Feb 1, 2020, 11:11 PM*