

## 2021 PHRF-NB Membership/Rating Certificate

This certificate expires on April 30, 2022, or upon change of ownership, whichever comes first.

**Certificate status: Renewed**

### Ratings

|           |               |
|-----------|---------------|
| 31        | 48            |
| Spinnaker | Non-Spinnaker |

### Administrative Data

|                         |                         |
|-------------------------|-------------------------|
| <b>Name:</b>            | David Peabody Southwell |
| <b>Address:</b>         | Privacy Protected       |
| <b>Email:</b>           |                         |
| <b>Primary Phone:</b>   |                         |
| <b>Secondary Phone:</b> |                         |
| <b>Yacht Club:</b>      | New York Yacht Club     |

### Boat Measurements

|                                                 |                                                 |                        |
|-------------------------------------------------|-------------------------------------------------|------------------------|
| <b>I:</b> 51.41                                 | <b>J:</b> 15.3                                  | <b>LOA:</b> 40         |
| <b>P:</b> 50                                    | <b>E:</b> 16.64                                 | <b>LWL:</b> 39.67      |
| <b>ISP:</b> 55.75                               | <b>SPL:</b> 7                                   | <b>Draft:</b> Max 8.04 |
| <b>Py:</b>                                      | <b>Ey:</b>                                      |                        |
| <b>Beam:</b> 12.3                               | <b>Displacement:</b> 12550                      |                        |
| <b>Rig Type:</b> Sloop                          | <b>Rig:</b> Fractional                          |                        |
| <b>Keel Weight:</b> 4850                        | <b>Keel Material:</b> Cast iron fin 3% antimony |                        |
| <b>Composite Rigging:</b> no                    | <b>Other Ballast:</b> NO                        |                        |
| <b>Mast Material:</b> Carbon                    | <b>Spinnaker Type(s):</b> Asymmetrical          |                        |
| <b>Asymmetrical Spinnaker Tacked To:</b> rsprit |                                                 |                        |

### Variables

|                                  |                            |
|----------------------------------|----------------------------|
| <b>Engine:</b> Inboard           | <b>Prop. Type:</b> Folding |
| <b>Prop. Install:</b> Sail Drive | <b>Rudder:</b> Spade       |
| <b># of Blades:</b> 2            | <b>Keel:</b> Fin Keel      |

### Yacht

|                                                          |                                |
|----------------------------------------------------------|--------------------------------|
| <b>Yacht Name:</b> Alchemy                               | <b>Sail Number:</b> 12104      |
| <b>Designer:</b> J Boats                                 |                                |
| <b>Manufacturer:</b> J Boats                             | <b>Model:</b> J-121            |
| <b>Hull Serial Number:</b> UCF12104G718                  | <b>Date Manufactured:</b> 2017 |
| <b>Other Ratings:</b> NE-PHRF: 30 with no water ballast. | <b>Date Last Rated:</b>        |

### Sails

| Headsails to be used (LP%) |     | Mainsail Measurements |       |
|----------------------------|-----|-----------------------|-------|
| <b>Headsail 1</b>          | 105 | <b>MHB</b>            | 1.47  |
| <b>Headsail 2</b>          | 100 | <b>MUW</b>            | 3.93  |
| <b>Headsail 3</b>          | 86  | <b>MTW</b>            | 6.49  |
| <b>Headsail 4</b>          | 55  | <b>MHW</b>            | 10.76 |
|                            |     | <b>MQW</b>            | 13.94 |

### Spinnakers to be used

| Spin #        | JC   | SMG   | Foot  | Luff  | Leech |
|---------------|------|-------|-------|-------|-------|
| <b>Spin 1</b> | 22.9 | 32.3  | 32.9  | 60.9  | 49.1  |
| <b>Spin 2</b> | 22.9 | 32.8  | 33.3  | 62.36 | 49.6  |
| <b>Spin 3</b> | 22   | 20.93 | 27.82 | 56.95 | 52.42 |
| <b>Code 0</b> |      |       |       |       |       |

**Headsail Credit:** n/a

### Comments/Modifications

2018 - -7 for water ballast. Roller Furling worked into base rating  
2020- Remove water ballast  
2021- Removal of water ballast -1

### Committee Use Only

| PHRF #: 15550              |             |                            |    |
|----------------------------|-------------|----------------------------|----|
| <b>Base Rating</b>         | 30          | <b>Non-Spin Adj.</b>       | 19 |
| <b>Genoa Spin Adj.</b>     | 0           | <b>Genoa Non-Spin Adj.</b> | 0  |
| <b>Mainsail Adj.</b>       | 0           | <b>Furling Adj.</b>        | 0  |
| <b>Spin. Area Adj.</b>     | 2           | <b>Whisker Pole Adj.</b>   | 0  |
| <b>Prop. Adjustment</b>    | 0           |                            |    |
| <b>Mast Adj.</b>           | 0           | <b>Misc. Adj.</b>          | -1 |
| <b>Committee Signature</b> | <b>Date</b> |                            |    |
| Katherine Rotsky           | 05/03/2021  |                            |    |